Canon

LBP-810 Laser Printer

User's Guide

IMPORTANT:

Read this manual carefully.
Use this manual when you need quick reference help.

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In this manual, Microsoft®, Microsoft® Windows®, and Microsoft® Windows NT® are referred to as Microsoft, Windows, and Windows NT respectively.

About this Guide

The following lists the information included in this Guide:

- ❏ **Chapter 1: Introduction.** Introduces you to the printer features and describes the parts.
- ❏ **Chapter 2: Paper Handling.** Explains the types of paper and sizes you can use, how to load paper, and describes how paper moves through the printer.
- ❏ **Chapter 3: Using the Canon Advanced Printing Technology.** Describes the Canon Advanced Printing Technology and how to install and use the software, as well as how to check on the status of a print job.
- ❏ **Chapter 4: Troubleshooting.** Contains helpful information on how to solve printing problems.
- ❏ **Chapter 5: Maintenance.** Explains how to clean and handle the printer, and how to replace the EP-22 cartridge.
- ❏ **Appendix A.** Lists the specifications for the printer.
- ❏ **Appendix B.** Describes how to connect the printer using the optional network adapter.
- ❏ **Glossary.** Includes definitions for terminology used in this Guide.

Conventions

This guide uses the following conventions:

CAUTION:
Indicates precautions that must be observed to prevent possible injury.

Indicates that neglecting the suggested procedure or practice could result in damage to the printer.

Indicates notes and memos containing useful tips or detailed information.

Safety Information

FCC Notice (100–127 V model)

Laser Beam Printer, Model L10573A

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ❏ Reorient or relocate the receiving antenna.
- ❏ Increase the separation between the equipment and receiver.
- ❏ Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- ❏ Consult the dealer or an experienced radio/TV technician for help.

Use of shielded cable is required to comply with class B limits in Subpart B of Part 15 of FCC Rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

FCC Notice (220–240 V model)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

- Use of shielded cable is required to comply with Class A limits in Subpart B of Part 15 of FCC Rules.

Do not make any changes or modifications to the equipment unless otherwise specified in this guide. If such changes or modifications should be made, you could be required to stop operation of the equipment.

Notice for EMC Directive (220–240 V model)

"This equipment has been tested in a typical system to comply with the technical requirements of EMC Directive."

- Use of shielded cable is necessary to comply with the technical requirements of EMC Directive.

International ENERGY STAR Office Equipment Program

As an ENERGY STAR partner, Canon Inc. has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

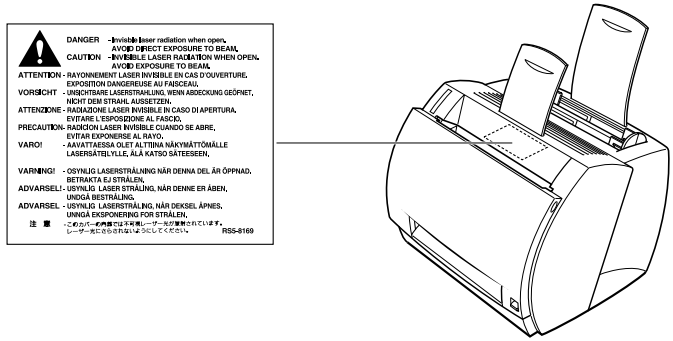
The International ENERGY STAR Office Equipment Program is an international program that promotes energy saving through the use of computers and other office equipment. The program backs the development and dissemination of products with functions that effectively reduce energy consumption. It is an open system in which business proprietors can participate voluntarily. The targeted products are office equipment such as computers, monitors, printers, fax machines, and copiers. Their standards and logos are uniform among the participating nations.

Laser Safety (100–127 V / 220–240 V models)

Laser radiation could be hazardous to the human body. For this reason, laser radiation emitted inside this printer is hermetically sealed within the protective housing and external cover. In the normal operation of the product by the user, no radiation can leak from the machine.

This printer is classified as a Class 1 laser product under EN60825-1:1994, and in the USA, it is classified as Class 1 under the code of Federal Regulations, §1040.10 of Title 21.

The label shown below is attached to this printer. This label is attached to the laser scanner unit inside the printer. (100–127 V / 220–240 V models)


DANGER - Invisible laser radiation when open.
AVOID DIRECT EXPOSURE TO BEAM.
CAUTION - INVISIBLE LASER RADIATION WHEN OPEN.
AVOID EXPOSURE TO BEAM.
ATTENTION - RAYONNEMENT LASER INVISIBLE EN CAS D'OUVERTURE.
EXPOSITION DANGEREUSE AU FAISCEAU.
VORSICHT - UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFNET.
NICHT DEM STRAHL AUSSETZEN.
ATTENZIONE - RADIAZIONE LASER INVISIBILE IN CASO DI APERTURA.
EVITARE L'ESPOSIZIONE AL FASCIO.
PRECAUTION - RADIACION LASER INVISIBLE CUANDO SE ABRE.
EVITAR EXPONERSE AL RAYO.
VARO! - AAVATTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE
LASERSÄTEILYLLE, ÄLÄ KATSO SÄTEESEEN.
VARNING! - OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD.
BETRAKTA EJ STRÅLEN.
ADVARSEL! - USYNLIG LASER STRÅLING, NÅR DENNE ER ÅBEN.
UNDGÅ BESTRÅLING.
ADVARSEL - USYNLIG LASERSTRÅLING, NÅR DEKSEL ÅPNES.
UNNGÅ EKSPONERING FOR STRÅLEN.
注 意 - このカバーの開口部では不可視レーザー光が放射されています。
レーザー光にさらされないようにしてください。
RSS-8169

This printer has been classified under EN60825-1:1994 and conforms to the following classes:

CLASS 1 LASER PRODUCT
LASER KLASSE 1
APPAREIL A RAYONNEMENT LASER DE CLASSE 1
APPARECCHIO LASER DI CLASSE 1
PRODUCTO LASER DE CLASE 1
APARELHO A LASER DE CLASSE 1

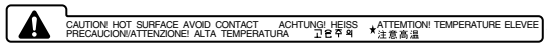
(220-240 V model only)

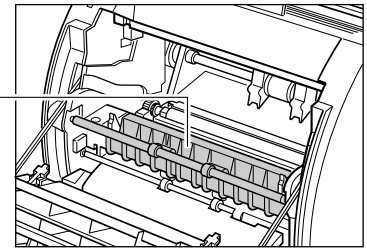
CAUTION:
Performance of procedures other than those specified in this manual may result in hazardous radiation exposure.

Important Safety Instructions

CAUTION:
This printer is a high-precision electronic device. Before operation, be sure to read the following instructions to handle the printer properly.

- ❏ Read the manual carefully before operation.
- ❏ Do not dispose of these instructions. Save them for future reference.
- ❏ Follow all warnings and instructions on the printer and consumables.
- ❏ Do not place the printer on an unstable cart, stand, or table.
- ❏ When installing the printer, carefully observe the location requirements described in this guide.
- ❏ The shaded part of the face-up delivery area may be hot. Be careful not to touch it.

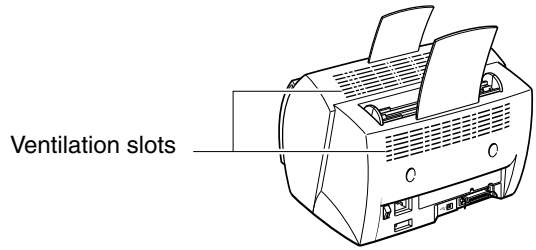

CAUTION! HOT SURFACE AVOID CONTACT ACHTUNG! HEISS ★ATTEMTION! TEMPERATURE ELEVEE
PRECAUCION!/ATTENZIONE! ALTA TEMPERATURA 고온주의 ★注意高温



- ❏ Do not expose the printer to a wet environment.
- ❏ Do not expose the printer directly to a chemical environment (experimental laboratories, etc.). The exterior of the printer is made of plastic, and the outside covering might fade, become deformed, or melt.
- ❏ Do not install the printer where it will be exposed to smoke or steam.
- ❏ Be sure to connect the printer to a grounded outlet.
- ❏ Do not operate the printer until all packing materials (packing tape, spacers, and styrofoam molds) have been removed.

- ❏ 100–127 V model only:
  This product is equipped with a 3-wire grounding type plug, a plug that has a third (grounding) pin. As a safety feature, this plug fits only into a grounding-type power outlet. If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet. Do not defeat the purpose of the grounding-type plug.
- ❏ 220–240 V model only:
  A certified power supply cord is to be used with this equipment. For a rated current up to 6 A, a type not lighter than H05VV-F 3G 0.75 mm^2 or H05VVH2-F 3G 0.75 mm^2 shall be used.
- ❏ Be sure to turn off the power before unplugging or plugging in the printer power cord or interface cable.
- ❏ When moving the printer, be sure to turn off the power before unplugging the power cord.
- ❏ Be sure to unravel the power cord prior to plugging it in; otherwise it may lead to damage, overheating, short-circuit, or result in fire.
- ❏ Be sure to plug the power cord firmly into the power outlet, as any flammable material caught between an opening might result in fire.
- ❏ Avoid using an extension cord. If you must use an extension cord, be sure to take the following precautions. Failure to do this might lead to overheating, result in fire, or cause flickering due to a drop in voltage.
  - Be sure not to exceed the allowed rating current of the extension cord.
  - Use a short extension cord. Do not connect several extension cords together.
  - Make sure that the total ampere rating of the products plugged into the extension cord does not exceed the extension cord ampere rating.
- ❏ Slots and openings in the cabinet are provided for ventilation. To ensure reliable operation of the printer and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the printer on a bed, sofa, shag rug, or other similar surface.

❏ The printer should never be placed near or over a radiator, heat register, or flame. It should not be placed in a built-in installation unless proper ventilation is provided.



❏ Before connecting the printer to a power source, check the voltage rating label at the back of the printer to ensure that the printer voltage matches that of the power source. The voltage rating label is located on the rear side of the printer. If the voltage label is missing, contact your nearest authorized dealer or the place of purchase.

❏ The power cord should be routed so that it is not likely to be walked on or pinched by items placed on or against it. Pay particular attention to the plug, the power socket, and the point where the cord exits the unit.

❏ Keep the power cord and cables away from children.

❏ Do not handle plugs with wet hands.

❏ When the printer will not be used for a long period, turn the power off and unplug the power cord for safety.

❏ Unplug the printer from the wall outlet before cleaning. Do not spray liquid cleaners or aerosol cleaners directly on the cabinet or the openings, as the spray could penetrate inside the printer and contaminate internal parts. Use a damp cloth for cleaning.

❏ Never push objects of any kind into the printer through openings in the enclosure, as the objects might touch dangerous voltage points or short out parts. This could result in a fire or electrical shock. Never spill liquid of any kind into the printer.

❏ Unplug the printer and request servicing from qualified service personnel in the following situations:

- When the power cord or plug is damaged or becomes frayed.
- If liquid is spilled into the printer.
- If the printer is exposed to water.

- If the printer does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions, since improper adjustment of other controls may damage the printer and may require extensive work by a qualified technician to restore the product to normal operation.
- If the printer is dropped or the cabinet is damaged.
- If the printer exhibits a distinct change in performance, indicating a need for servicing.
- If the printer produces smoke, odor, or excessive noise.

❏ The outlet should always be free from any obstacles so as to allow easy access.

❏ When unplugging the printer, always disconnect the power cord by pulling on the plug, not the cord itself.

❏ Any misuse of electrical equipment is hazardous. Do not allow children to handle power cords or cables.

❏ Do not attempt to service this printer yourself, except as instructed in this guide. Opening or removing covers that are intended to be removed only by qualified service personnel may expose you to dangerous voltage points or other risks. Refer all servicing in those compartments to qualified service personnel.

❏ Do not attempt to modify the printer.

❏ Do not remove the warning or instruction labels on the printer.

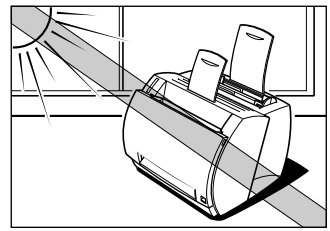
Operating Environment

When selecting a location for the printer, check the following guidelines:

- Make sure the location is flat and sturdy.
- When power is on (printer plugged into an AC outlet):
  Temperature: 10˚C-32.5˚C (50˚F-90.5˚F)
  Relative humidity: 20-80% RH with no condensation
- Make sure the surrounding area is well ventilated.
- The printer must not be in a direct draft.

Avoid placing the printer in the following locations:

- Under direct sunlight, near heaters, air conditioners, or open flames.



Strong light entering the printer unit causes the internal cartridge drum surface to deteriorate and degrades the printing.

- Near magnets or equipment that generates magnetic fields.
- Near areas subject to vibration.
- In dusty places or places where the air contains high concentrations of salt or corrosive gases.
- Near water pipes and refrigerators.

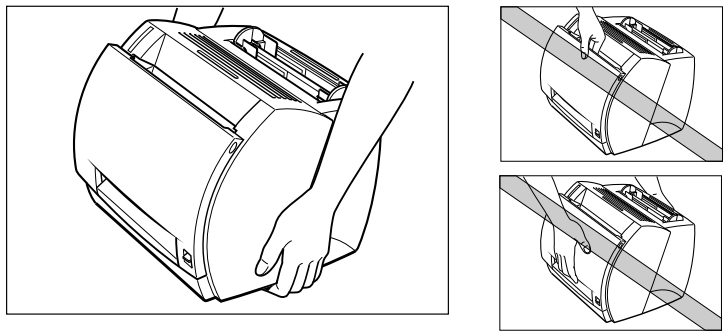
If humidity is less than 30%, use a humidifier or an anti-static mat to prevent buildup of electrostatic charges.

If the room temperature rises abruptly, or the printer is moved from a cool and dry place to a warm and humid place, condensation may form inside the printer and cause problems with paper delivery or a deterioration in print quality and, in some cases, result in printer error. To prevent this, allow the printer to sit for an hour or more to adjust to the new temperature.

Observe the following requirements when the power is off (printer unplugged from the AC outlet):

- Temperature: 0˚C-35˚C (32˚F-95˚F).
- Relative Humidity: 10-80% RH with no condensation.

Carrying the Printer



CAUTION:
Do not carry the printer by holding the front panel, the face-up delivery slot, or by holding it at the front and rear. This could result in damage to the printer or personal injury if the printer is dropped.

Before transporting the printer, always remove the EP-22 cartridge and store it in its original protective bag or wrap it in a thick cloth to protect it from strong light.

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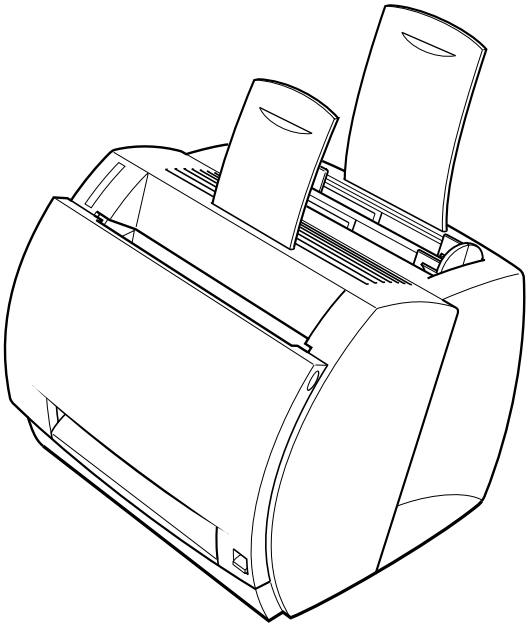
Chapter 1
Introduction

Congratulations on your purchase of the Canon LBP-810 Laser Printer. This chapter introduces you to the printer and explains its features.



Your new laser printer has many advanced features, including the CAPT (Canon Advanced Printing Technology). The CAPT gives you instant access to printer information.

The LBP-810 offers outstanding print quality, flexible paper handling, energy-efficient printing, and trouble-free operation.

Printer Features

The LBP-810 combines the following features to form a versatile printing system:

Quick startup

The printer is ready to print in less than 8 seconds after it is turned on (start-up time), and has a first print time of less than 18 seconds. This means that you can print documents quickly and efficiently.

Impressive output

Thanks to the CAPT (Canon Advanced Printing Technology), the 600 dpi resolution gives you crisp, clean, laser-sharp output at 8 pages per minute.

Low power consumption

The printer comes with an efficient power management system. Power consumption is very low, particularly when idle.

Stylish, compact design

The printer provides compact, lightweight, easy-to-use functionality in a smooth, stylish design. The small footprint gives you more work space to help you meet your needs.

CAPT Printing Software

The CAPT is easy to install, and with it you can set custom paper sizes, overlay bitmaps on documents (for example, you can print your logo on each page), tile up to nine pages on one sheet of paper, and switch easily between complicated setups using user-defined profiles. The Status Window gives you written and spoken feedback about your print jobs, even over a network.

Quiet operation

Its quiet operation makes this printer an ideal output device, even in an open-office environment.

Flexible paper handling

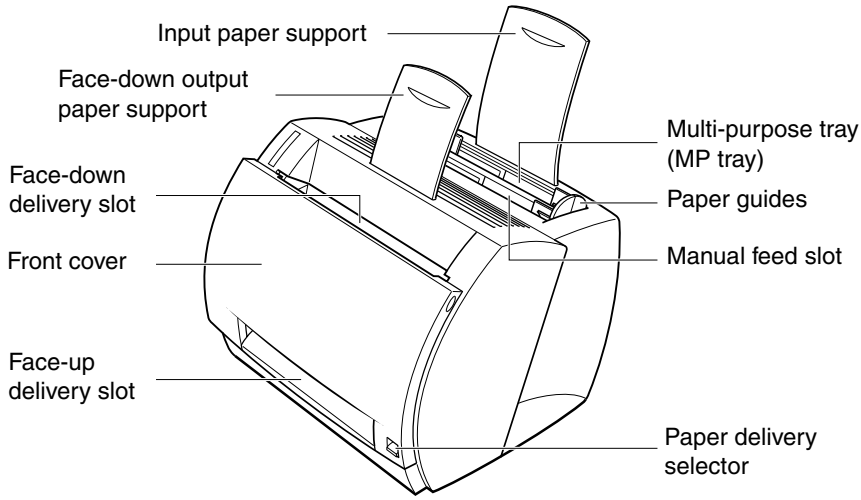
Both the multi-purpose tray (MP tray) and the manual feeding slot accept plain paper of various sizes—Legal, Letter, A4, B5, or Executive—as well as transparencies, labels, envelopes, postcards and other special paper. The MP tray handles up to 125 sheets of 75 g/m^2 plain paper with a maximum stack height of 12.5 mm. For manual feeding, sheets are fed one at a time. Delivery can be face down (for plain paper) or face up (for all paper types).

Direct Network Connection

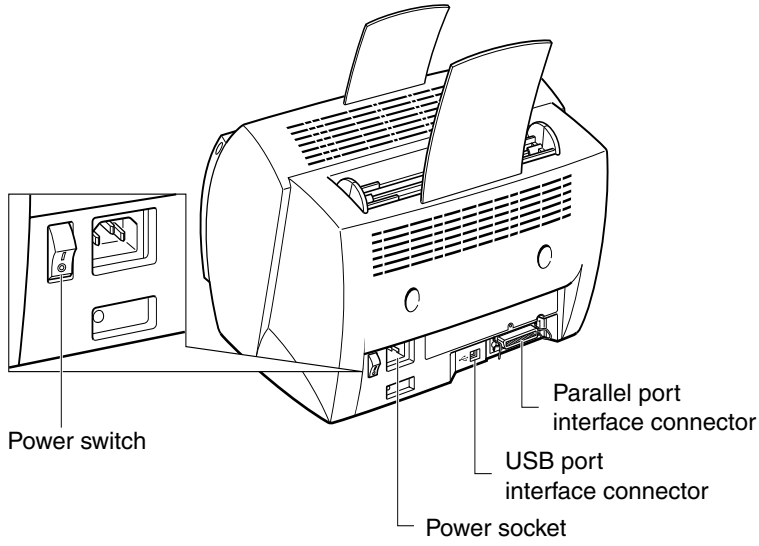
With the optional network adapter, you can connect directly to the LBP-810 over a network, without having to go through a server.

Parts of the Printer

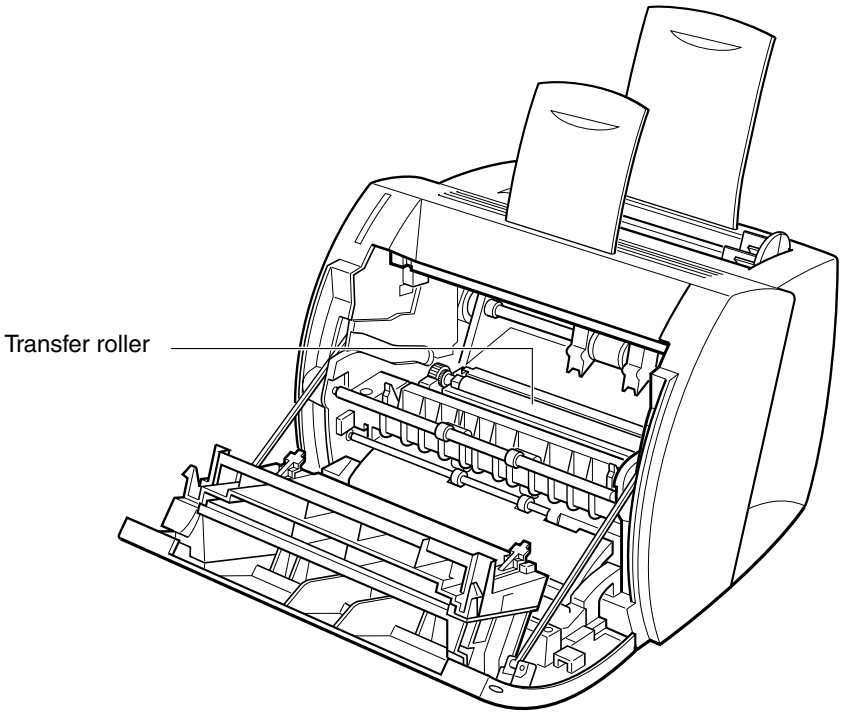
Front View



Rear View



Inside the Printer



For more information about setting up the printer, see the *Getting Started Guide*.

Chapter 2
Paper Handling

This chapter describes how to select the different types of paper you can use with your printer and how to load them. It includes the following information:

- ❏ Paper Requirements
- ❏ Storing Paper
- ❏ Paper Path
- ❏ Selecting Paper Delivery
- ❏ Loading Paper into the MP Tray
- ❏ Loading Paper Manually

Paper Requirements

Make sure that the paper you use meets the following requirements.

Loading	Type	Size	Weight (g/m^2)	Capacity	Delivery
MP Tray	Plain paper	Legal, Letter, A4, Executive, B5.	64-135	Max height: 12.5 mm (Approx. 125 sheets of 75 g/m^2 paper)	Face-up Face-down (64-105 g/m^2)
	Transparencies	Letter, A4	--	Max. height: 12.5 mm	Face-up
	Labels	Letter, A4	--	Max. height: 12.5 mm	Face-up
	Envelopes	98 x 162 mm to 176 x 250 mm (COM 10, Monarch, DL, B5, C5)	--	Max. height: 12.5 mm	Face-up
	Postcards	100 x 147 mm	--	Max. height: 12.5 mm	Face-up
	Other	Index card: 3" x 5"*	--	Max. height: 12.5 mm	Face-up
Manual	Plain paper	76.2 x 127 mm to 216 x 356 mm Including the following standard paper sizes: Legal: 8-1/2" x 14" Letter: 8-1/2" x 11" A4: 210 x 297 mm Executive: 7-1/4" x 10-1/2" B5: 182 x 257 mm A5 (Portrait orientation): 210 x 148 mm	64-135	1 sheet	Face-up Face-down (64-105 $g/m^{2)}$
	Transparencies	Letter, A4	--	1 sheet	Face-up

Loading	Type	Size	Weight (g/m^2)	Capacity	Delivery
Manual	Labels	Letter, A4	--	1 sheet	Face-up
	Envelopes	98 x 162 to 176 x 250 mm (COM 10, Monarch, DL, B5, C5)	--	1 sheet	Face-up
	Postcards	100 x 147 mm	--	1 sheet	Face-up
	Other	Index cards: 3" x 5"*	--	1 sheet	Face-up

*Only use index cards that are 0.18 mm to 0.28 mm thick.

Plain Paper

Follow these guidelines when selecting paper:

- ❏ Paper that is too thick or too thin, or that has irregular shapes, cutouts, or perforations should not be used.
- ❏ Never use paper that is wet, highly textured, rough, torn, wrinkled, or damaged.
- ❏ Extremely smooth paper or paper with special coatings does not print well.
- ❏ The laser printing process uses high temperatures to fuse toner to the paper. Use paper that will not melt, vaporize, offset, discolor, or emit dangerous fumes at about 190˚ C (374˚ F).
- ❏ Do not use thermal or carbon paper, or paper with glue, staples, clips, or ribbons.

For colored paper, use colors that are not damaged by the heat of the printer's fixing assembly (about 190˚ C or 374˚ F).

Transparencies

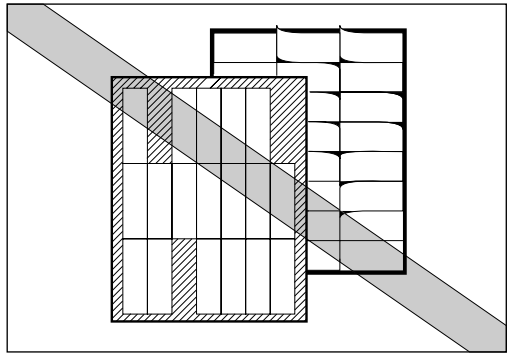
The acceptable sizes are Letter or A4. The transparencies must be able to withstand the heat generated by the fixing assembly (about 190˚ C or 374˚ F) without damage.

Labels

Labels are paper with pressure-sensitive adhesive. Acceptable sizes are Letter and A4.

Note the following conditions when choosing a label sheet:

- ❏ The label print face (top, or face sheet) must be made of ordinary, matte-finish paper similar to copy paper.
- ❏ The paper backing must be able to withstand the heat generated by the fixing assembly (about 190˚ C or 374˚ F). The backing must not be made of easily removable coated paper.
- ❏ Do not use labels with exposed adhesive, which may stick to the EP-22 cartridge or the fixing roller, causing the labels to peel off and serious paper jams to occur.

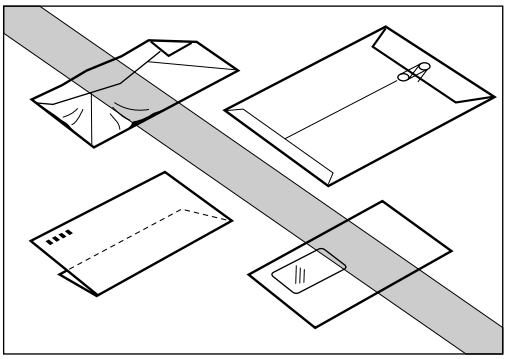


Envelopes

Follow these guidelines when printing on envelopes:

- ❏ Envelopes must not have any fasteners, snaps, or windows, or be made of artificial materials.
- ❏ Do not use envelopes that discolor or melt at about 190˚ C (374˚ F), envelopes which might emit dangerous fumes when heated, or envelopes that seal with pressure-sensitive adhesives.
- ❏ Do not use envelopes which are damaged, curled or wrinkled, or that have an irregular shape.
- ❏ Do not use oversized envelopes, or envelopes with folds.

❏ Poorly manufactured envelopes are not recommended.



Postcards

Follow these guidelines when printing on postcards:

❏ Postcards should not be greater than 0.28 mm in thickness.

❏ Postcards should be free of glue, clips, and staples.

❏ Do not use postcards that are damaged or curled, or that have special coatings or an irregular shape.

Storing Paper

Improper paper storage might cause a deterioration of print quality and paper performance. Therefore, note the following when storing paper:

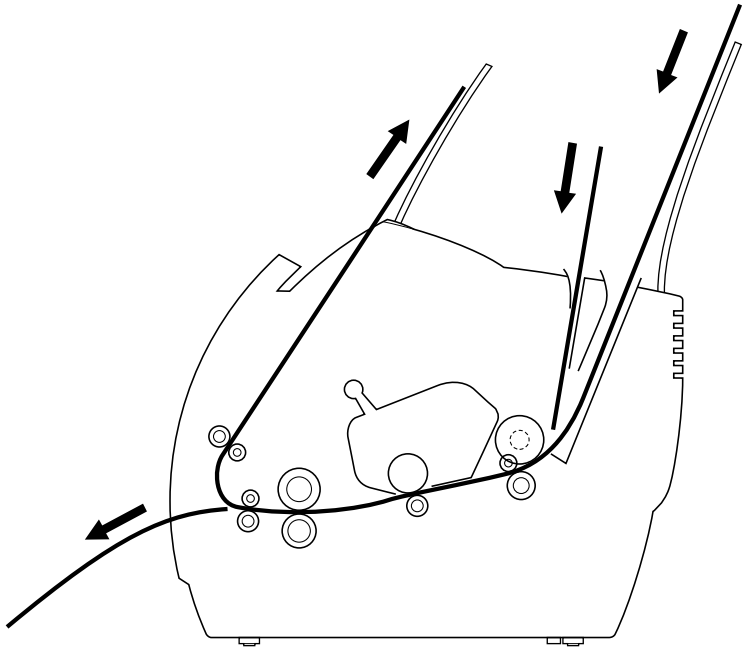
- ❏ Store unused paper in its wrapping to protect against humidity.
- ❏ Do not store paper directly on the floor as the floor is usually humid.
- ❏ If you must store paper in a very humid place, use a specially designed storage box.
- ❏ Keep paper on a flat surface to prevent excessive in-ream paper curl.
- ❏ Do not stack paper too high to prevent excessive in-ream paper curl.
- ❏ Do not subject paper to direct sunlight or a humid environment.

If paper is moved to a place with a very different temperature, leave it there for about one day before using it; otherwise it could curl or develop wrinkles.

Paper Path

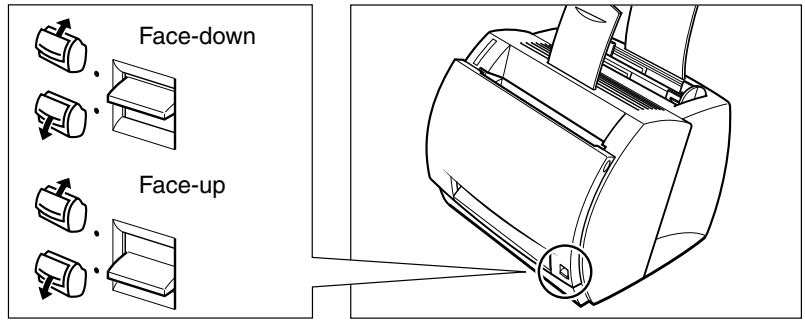
Understanding how paper travels inside the printer helps you better handle paper loading and jams.

A sheet of paper enters the printer from the MP tray or the manual feed slot. It travels to the image transfer area where the printer drum has been statically charged. A laser beam changes the static charge on the drum and toner clings to those parts of the drum. As the paper rolls across the drum, the toner transfers to the paper. The toner is then fused to the paper by the fixing assembly. The paper either comes out from the face-up delivery slot or travels to the face-down delivery slot, depending on the paper delivery method selected.



Selecting Paper Delivery

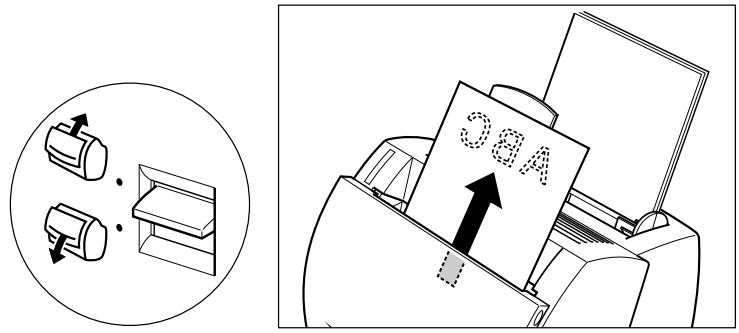
Use the paper delivery selector to choose face-up or face-down delivery. When the selector is in the lower position, face-up delivery is selected. When the selector is in the upper position, face-down delivery is selected.



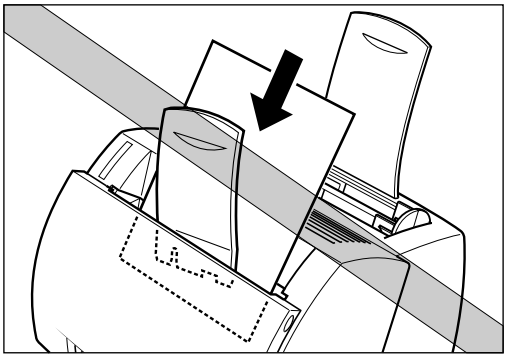
Face-down Delivery

Use face-down delivery for plain paper only. Printouts are stacked in order in the face-down delivery slot (which can hold up to 100 sheets of 75 g/m^2 paper).

To select face-down delivery, move the paper delivery selector up.



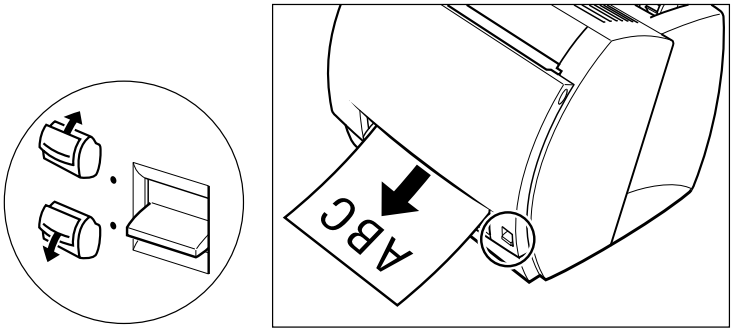
- ❏ Do not replace paper in the face-down delivery slot once it is removed from the slot. This could result in damage to the flaps inside the slot.
- ❏ Never insert paper or other objects into the face-down delivery slot.



Face-up Delivery

Use face-up delivery for envelopes and transparencies, as well as other special paper, including non-standard sized plain paper. Printouts come out from the face-up delivery slot face up. This helps prevent paper curl.

To select face-up delivery, push the paper delivery selector down.



- ❏ Do not pull on the printout while it is still emerging from the face-up delivery slot.
- ❏ Do not switch the paper delivery selector until the printout has completely come out of the delivery slot. Switching the paper delivery selector while printing could cause a paper jam.
- ❏ Make sure there is enough room at the front of the printer for the paper to exit.

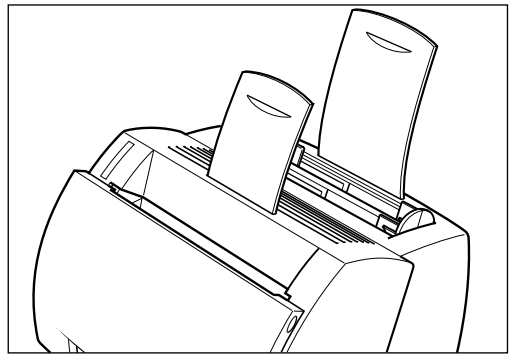
Loading Paper into the MP Tray

The multi-purpose tray can hold up to approximately 125 sheets of 75 g/m^2 paper for high-volume printing. Acceptable paper sizes are Legal, Letter, A4, Executive, and B5. It also accepts transparencies, envelopes, postcards, or special paper with a maximum height of 12.5 mm.

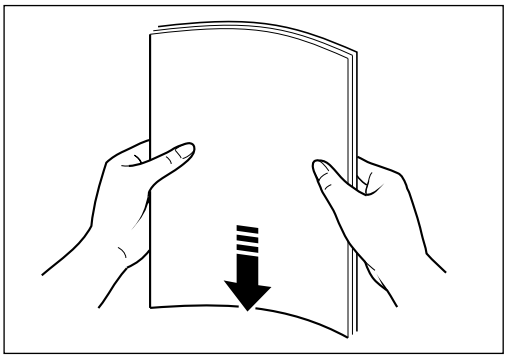
Before loading paper on the MP tray, first select the paper delivery. For envelopes, transparencies, labels, and other special paper, face-up delivery must be used. Plain paper can use both the face-up and face-down delivery methods. Face-down delivery is limited to plain paper with weight between 64 and 105 g/m^2. For more details, see "Selecting Paper Delivery" on page 14.

Follow the steps below to load a stack of paper.

Make sure that the input paper support is inserted into its slot in the printer.

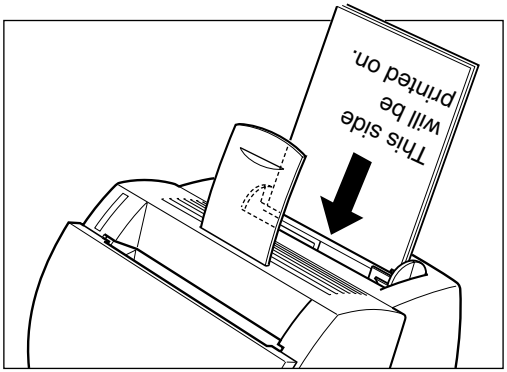


1. Prepare a stack of paper and tap it on a flat surface to properly align the edges.



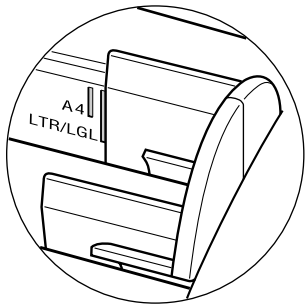
- ❏ Do not fan the paper, or printing problems might occur.
- ❏ When using transparencies, slightly fan the stack of transparencies before loading them in the MP tray to prevent feed failures.

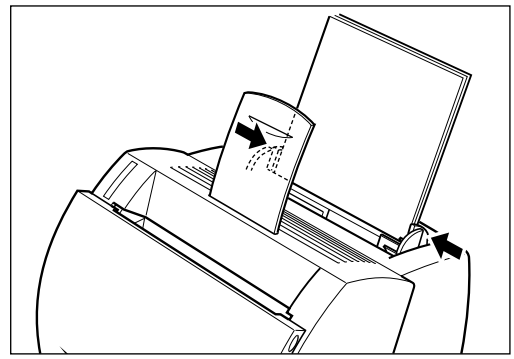
2. Align the stack of paper so that the side to be printed on faces the front of the printer. The top edge of the paper stack should be toward the bottom of the MP tray. Slide the stack in until it stops.



- ❏ Do not force the paper into the printer.
- ❏ Do not load more than 125 sheets of 75 g/m^2 plain paper, or a stack of any paper higher than 12.5 mm.

3. Adjust the paper guides to the width of the paper stack. For A4-size or Letter/Legal-size paper, align the paper guides with the icons inside the MP tray.





Adjust the paper guides so that there is no space between the paper guide and the edge of the stack of paper.

When reloading, be sure to remove any paper remaining in the MP tray. Stack it together with the new sheets before loading.

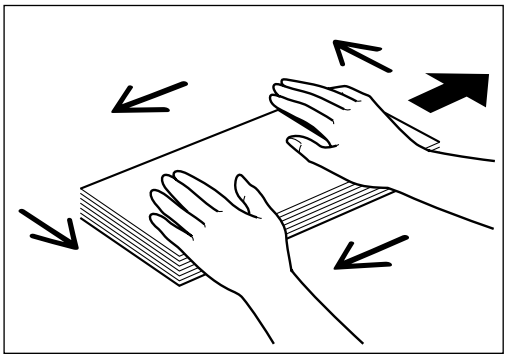
The MP tray is now ready to supply paper. For information on paper delivery selection, see “Selecting Paper Delivery” on page 14.

Loading Envelopes into the MP Tray

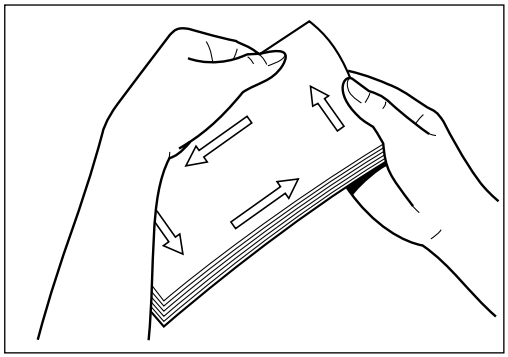
Before Loading Envelopes

Please be sure to follow these steps before loading envelopes:

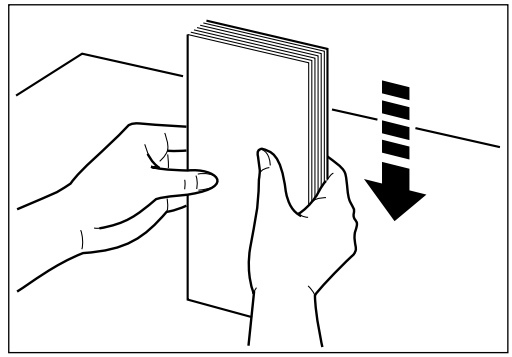
1. Place the envelopes on a flat surface and press the corners down in the direction shown to flatten the envelopes.



2. Flex the envelope stack, including all four edges, to remove any stiffness. Correct any bent corners on the envelopes. Check all four corners.

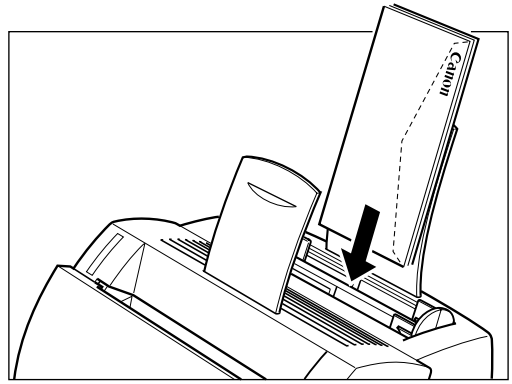


3. Align the stack of envelopes by tapping them on a flat surface.

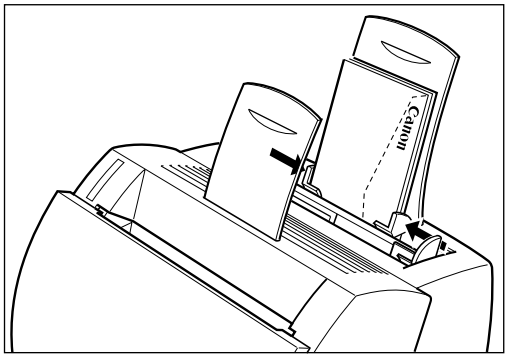


Loading Envelopes

1. Align the stack of envelopes so that the side to be printed on faces the front of the printer. Slide the stack in until it stops.

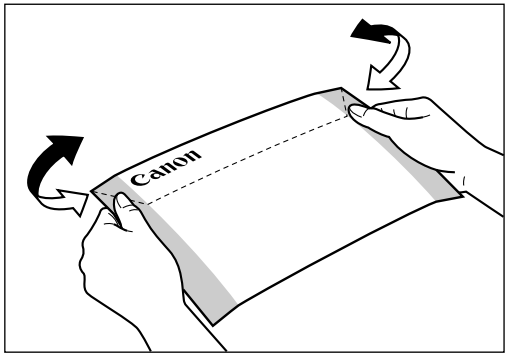


2. Adjust the paper guides to the width of the stack of envelopes.

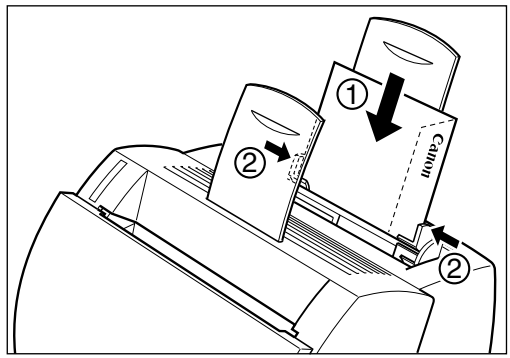


Most applications allow you to choose which way envelopes feed into the printer. Make sure your printer settings before you print.

When using C5-size envelopes, remove any stiffness by lightly flexing both edges of the envelope.

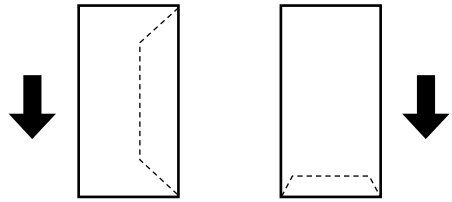


Insert the envelopes one at a time into the MP tray, in the direction shown in the illustration.



If the flap is along the long edge of the envelope, insert each envelope with the flap at the back and on the right.

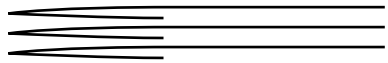
If the flap is along the short edge of the envelope, insert envelopes with the flap at the bottom and at the back.



The illustrations below show acceptable and unacceptable arrangements of the flaps of envelopes in a stack.

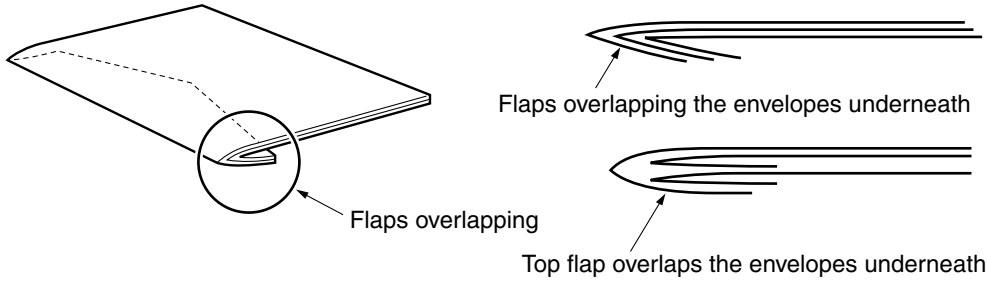
Acceptable

The flap of each envelope should be separate, not overlapping the edges of any of the other envelopes in the stack.



Not Acceptable

If the flap of any of the envelopes overlaps the edges of other envelopes in the stack, like those in the examples below, paper jams or misfeeds will occur.

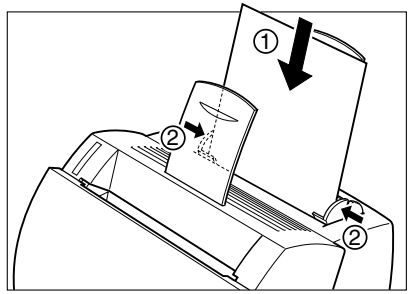


Loading Paper Manually

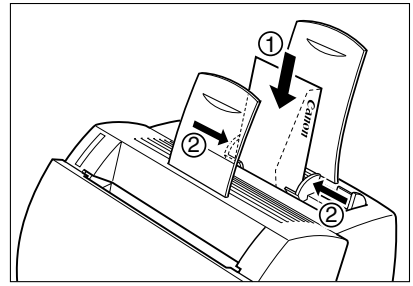
The manual feed slot allows you to load paper manually, one sheet at a time. You can load transparencies, labels, envelopes, postcards, or other special paper. You can also load plain paper, which is useful when you want to use paper that is a different size from the paper in the MP tray.

Before loading paper manually, always select the paper delivery first. For transparencies, labels, envelopes, postcards, and other special paper, face-up delivery must be used. Plain paper can use both the face-up and face-down delivery methods. Face-down delivery is limited to plain paper with weight between 64 and 105 g/m^2. For details, see "Selecting Paper Delivery" on page 14.

Align the sheet of paper so that the side to be printed on faces the front of the printer and the top of the paper is inserted first. Slide the sheet of paper into the manual feeding slot until it stops (see ① in the illustrations below). Adjust the paper guides to the sheet of paper (see ② in the illustrations below).



Standard paper



Envelopes

- ❏ The manual feed has priority over the MP tray.
- ❏ Often applications will let you change the feeding direction of envelopes. Confirm the feeding direction of envelopes before printing.
- ❏ If a postcard is not fed smoothly into the printer, gently push the top of the postcard downwards until the roller inside the printer takes the card and feeds it into the printer.

- ❑ Do not force the paper into the printer or printing problems might result.
- ❑ For continuous manual feed, insert a new sheet only when the previous sheet has come out completely from the delivery slot. If a new sheet is inserted before the previous sheet has been delivered, a paper jam may occur.

Chapter 3
Using the Canon Advanced Printing Technology

This chapter describes the CAPT (Canon Advanced Printing Technology). It includes the following information:

- ❏ Installing the CAPT
- ❏ Printing with the CAPT
- ❏ Checking the Status of a Print Job

Installing the CAPT

If you are using the LBP-810 as a local printer (connected directly to your computer) follow the steps below. If the LBP-810 is already on your network, and you want to start using it, follow the steps in "**Connecting to the LBP-810 Already on Your Network**" on page 49. If you want to install the LBP-810 as a network printer, follow the steps in "**Connecting the LBP-810 as a Network Printer**" on page 52.

Windows 95/98/Me

For installation instructions using the CD-ROM menu, please see the *Getting Started Guide*.

Plug and Play

Following is the installation procedure of plug and play for "Using USB and Parallel Port" under Windows 95/98/Me.

Before you install the software, make sure you do the following:

- ❏ Start Windows 95, 98 or Me.
- ❏ Connect the printer to your computer (For details, see the *Getting Started Guide*).
- ❏ Turn on the printer (For details, see the *Getting Started Guide*).

If you are using Windows 95 OSR2.1 or later, an error may occur while trying to install using plug and play. If you get an error, install the software using the CD-ROM. To check which version of Windows 95 you are using, open the system window in Control Panel and look at the version number in the General tab. 4.00.950 B or 4.00.950 C means you are using OSR2.1 or later.

Using USB Port (USB Cable)

In order to use the printer via USB, the following requirements need to be satisfied.

- ❏ Your computer must be equipped with a USB port and it is necessary that its operation is approved by the manufacturer.
- ❏ Windows 95 is not available for USB.

The following procedure only applies to the installation under Windows 98.

The first time you start Windows with the LBP-810 attached to your computer the **New Hardware Found** dialog box appears, then click **Next >**.

When using parallel port, go **Step 3**.

1. Select **Search for the best driver for your device (Recommended)** in the **Add New Hardware Wizard** and click **Next>**.

Add New Hardware Wizard
What do you want Windows to do?
Search for the best driver for your device. (Recommended).
Display a list of all the drivers in a specific location, so you can select the driver you want.
< Back
Next >
Cancel

2. Click only **Specify a location**, then click **Browse…** to select the driver in the language that you want to install. For example, if your CD-ROM drive is drive D, brows to D:\English\Win9x and click **OK.**

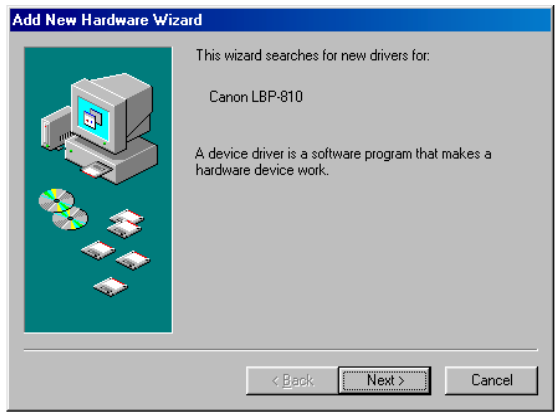
Add New Hardware Wizard
Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.
Floppy disk drives
CD-ROM drive
Microsoft Windows Update
Specify a location:
D:\English\Win9x
Browse...
< Back
Next >
Cancel

For Windows Me, select **Specify the location of the driver (Advanced)** and click **Next >** in the **Add New Hardware Wizard**.

Click only **Specify the location** then click **Browse…** to select the driver you want to install. For example, if your CD-ROM drive is drive D, browse to D:\English\WinMe and click **OK**.

The installation of the USB class driver will complete.

3. The **Add New Hardware Wizard (Canon LBP-810)** appears. Click **Next>**.


Add New Hardware Wizard
This wizard searches for new drivers for:
Canon LBP-810
A device driver is a software program that makes a hardware device work.
< Back
Next >
Cancel

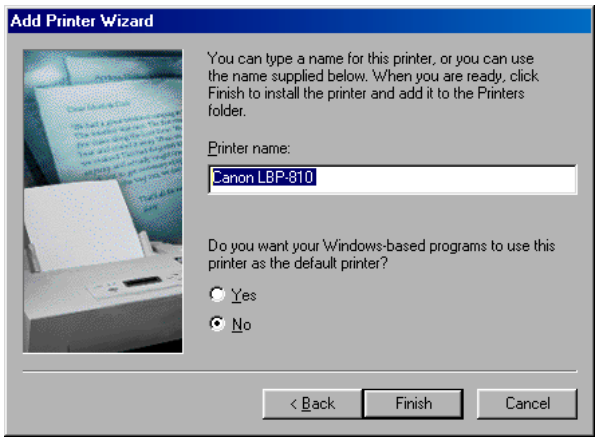
4. Select **Search for the best driver for you device (recommended)** and click **Next >**. Click only **Specify a location** and **Browse…** to select the driver in the language that you want to install. For example, if your CD-ROM drive is drive D, brows to D:\English\Win9x and click **OK >**.

Add New Hardware Wizard
Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.
Floppy disk drives
CD-ROM drive
Microsoft Windows Update
Specify a location:
D:\English\Win9x
Browse...
< Back
Next >
Cancel

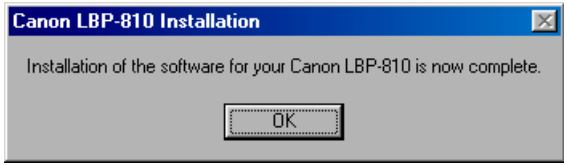
For Windows Me, select **Specify the location of the driver (Advanced)** and click **Next >** in the **Add New Hardware Wizard**.

Click only **Specify the location** then click **Browse…** to select the driver you want to install. For example, if your CD-ROM drive is drive D, browse to D:\English\WinMe and click **OK**.

5. Enter the name you wish to use, then click **Finish**.


Add Printer Wizard
You can type a name for this printer, or you can use the name supplied below. When you are ready, click Finish to install the printer and add it to the Printers folder.
Printer name:
Canon LBP-810
Do you want your Windows-based programs to use this printer as the default printer?
Yes
No
< Back
Finish
Cancel

6. When the installation is complete, the following dialog box appears. To close the dialog box, click **OK.** Click **Finish** on the **Add New Hardware wizard.**

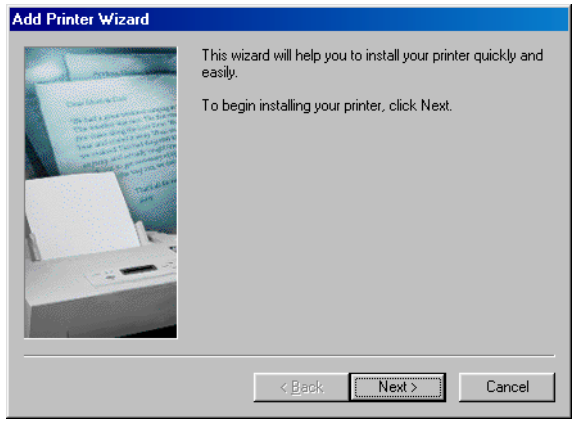


Add Printer Wizard

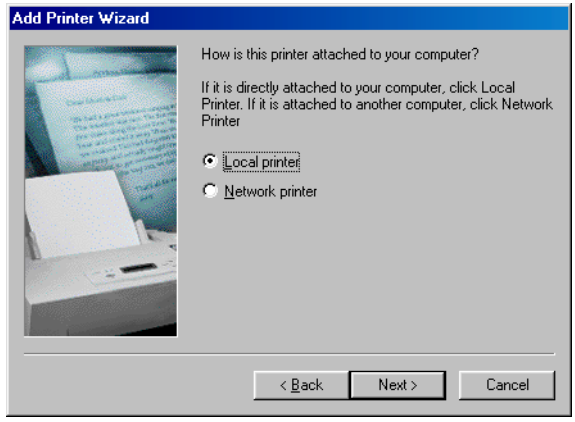
To install the CAPT on a local computer using Windows 95/98/Me, you can use the Windows 95/98/Me **Add Printer Wizard**.

Following is the installation procedures for “Using Parallel Port” under Windows 98.
To install the LBP-810 printer driver to USB port, perform procedure as same as “**CD-ROM Installation**” or “**Plug and Play**”.

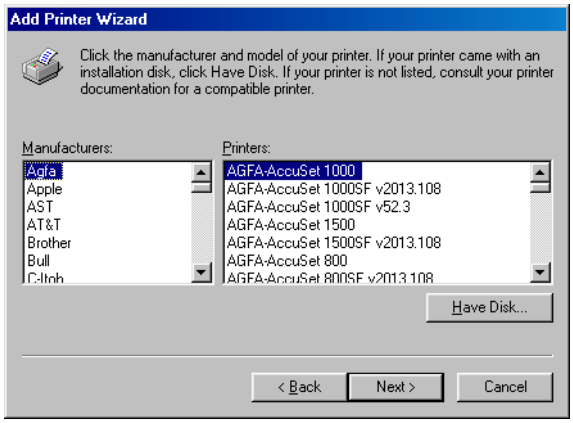
1. From the **Start** menu, select **Settings**, then **Printers**. The Printers folder appears.
2. Double-click the **Add Printer** icon. The **Add Printer Wizard** dialog box appears. Click **Next >**.


Add Printer Wizard
This wizard will help you to install your printer quickly and easily.
To begin installing your printer, click Next.
< Back
Next >
Cancel

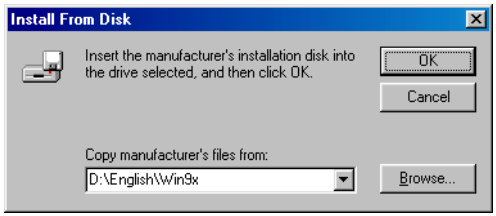
3. Select **Local Printer** and click **Next >**.


Add Printer Wizard
How is this printer attached to your computer?
If it is directly attached to your computer, click Local Printer. If it is attached to another computer, click Network Printer
Local printer
Network printer
< Back
Next >
Cancel

4. The Wizard displays a list of available printers. Click **Have Disk…**.

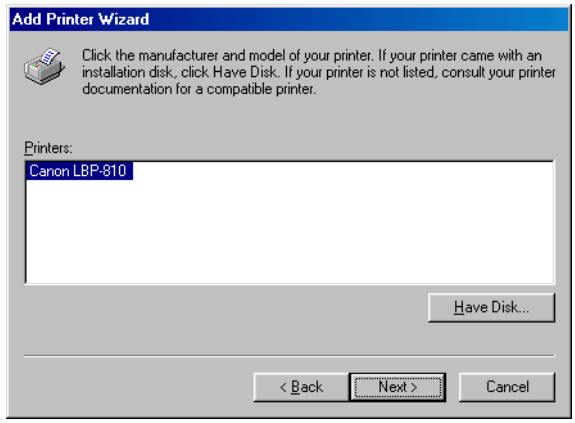


5. The **Install From Disk** dialog box appears. Use **Browse…** to select the directory or enter the path name that contains the printer software, then click **OK**.

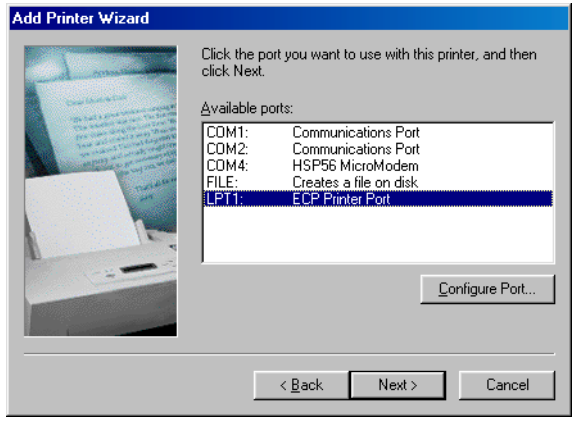


For example, if you are using the CD-ROM to install the software, and your CD-ROM drive is drive D:, the path name would be D:\English\Win9x.

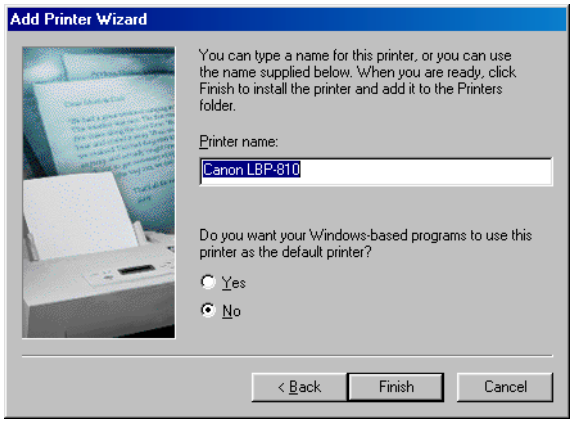
6. Select the printer, and click **Next >**.


Add Printer Wizard
Click the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for a compatible printer.
Printers:
Canon LBP-810
Have Disk...
< Back
Next >
Cancel

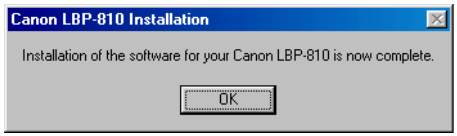
7. Select the printer's port, and then click **Next >**.


Add Printer Wizard
Click the port you want to use with this printer, and then click Next.
Available ports:
COM1: Communications Port
COM2: Communications Port
COM4: HSP56 MicroModem
FILE: Creates a file on disk
LPT1: ECP Printer Port
Configure Port...
< Back
Next >
Cancel

8. Enter the name you wish to use, then click **Finish**.


Add Printer Wizard
You can type a name for this printer, or you can use the name supplied below. When you are ready, click Finish to install the printer and add it to the Printers folder.
Printer name:
Canon LBP-810
Do you want your Windows-based programs to use this printer as the default printer?
Yes
No
< Back
Finish
Cancel

9. When the installation is complete, the following dialog box appears. To close the dialog box, click **OK**. Click **Finish** on the **Add New Hardware Wizard**.



Windows NT 4.0/2000

Windows 2000 Plug and Play

Following is the installation procedure of plug and play for "Using USB and Parallel Port" under Windows 2000.

Before you install the software, make sure you do the following:

- ❏ Connect the printer to your computer (For details, see the *Getting Started Guide*).
- ❏ Turn on the printer (For details, see the *Getting Started Guide*).
- ❏ Start up Windows 2000.

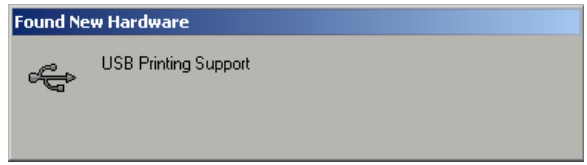
Using USB Port (USB Cable)

In order to use the printer via USB, the following requirements need to be satisfied.

- ❏ Your computer must be equipped with a USB port and it is necessary that its operation is approved by the manufacturer.
- ❏ Windows NT 4.0 is not available for USB.

When using parallel port, go **Step 2**.

1. **Plug and Play** is being carried out and the USB class driver, "USB Printing Support" is automatically detected and installed.



2. Log on as member of Administrators. The full control access right for the printer is necessary for the installation of the CAPT.

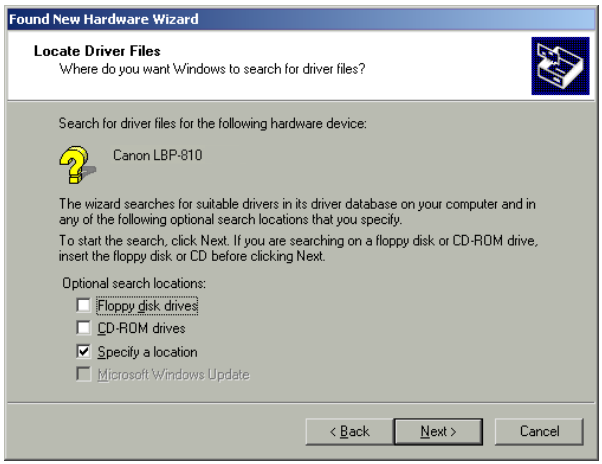
3. The **New Hardware Wizard** dialog box appears. Click **Next >**.

   Select **Search for a suitable driver for my device (recommended)** in the **Found New Hardware Wizard** and click **Next >**.

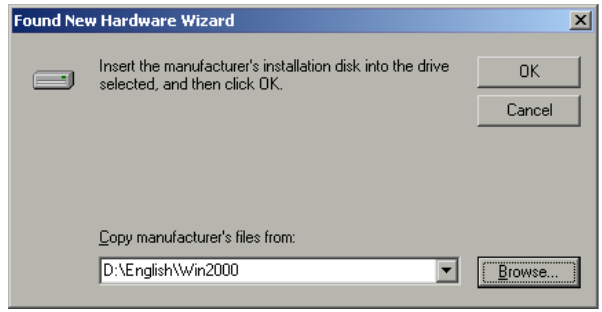
Found New Hardware Wizard
Install Hardware Device Drivers
A device driver is a software program that enables a hardware device to work with an operating system.
This wizard will complete the installation for this device:
Canon LBP-810
A device driver is a software program that makes a hardware device work. Windows needs driver files for your new device. To locate driver files and complete the installation click Next.
What do you want the wizard to do?
Search for a suitable driver for my device (recommended)
Display a list of the known drivers for this device so that I can choose a specific driver
< Back
Next >
Cancel

"Unknown" may be displayed as the name of the device.

4. Select **Specify a location** and click **Next >**.


Found New Hardware Wizard
Locate Driver Files
Where do you want Windows to search for driver files?
Search for driver files for the following hardware device:
Canon LBP-810
The wizard searches for suitable drivers in its driver database on your computer and in any of the following optional search locations that you specify.
To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive, insert the floppy disk or CD before clicking Next.
Optional search locations:
Floppy disk drives
CD-ROM drives
Specify a location
Microsoft Windows Update
< Back
Next >
Cancel

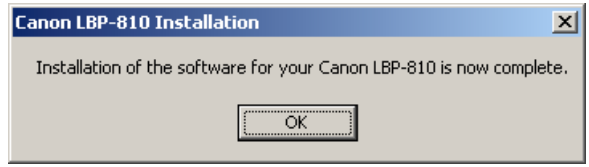
5. The **Found New Hardware Wizard** dialog box appears. Click **Browse…** to select the driver in the language that you want to install. For example, if your CD-ROM drive is drive D:, brows to D:\English\Win2000, then click **OK.**



Click **Next >** on **Driver Files Search Results**.

Click **Yes** if the **Digital Signature Not Found** dialog box appears.

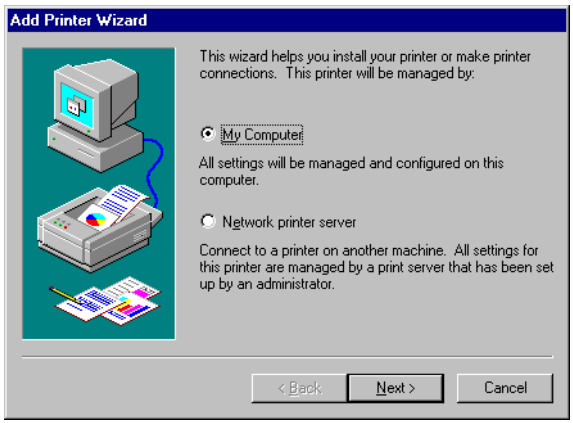
6. When the installation is complete, the following dialog box appears. Click **OK** to close the dialog box. Click **Finish** on the **Found New Hardware Wizard.**



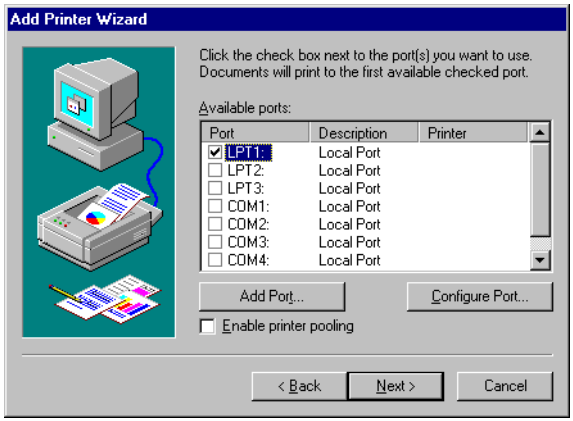
Windows NT 4.0 Add Printer Wizard

To install the CAPT on a local computer using Windows NT 4.0, you can use the Windows NT **Add Printer Wizard**.

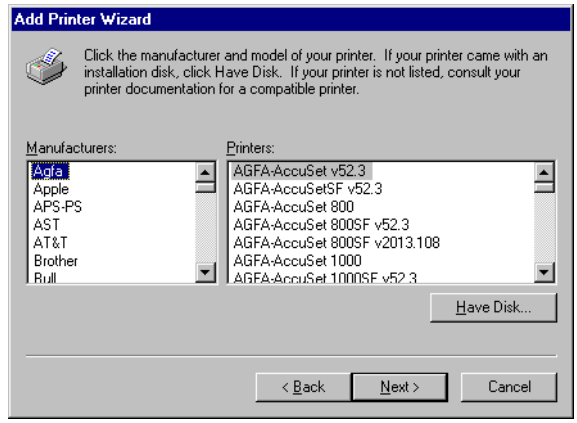
1. Log on as member of Administrators. The full control access right for the printer is necessary for the installation of the CAPT.
2. From the **Start** menu, select **Settings**, then **Printers**. The **Printers** folder appears.
3. Double-click the **Add Printer** icon. The **Add Printer Wizard** dialog box appears.


Add Printer Wizard
This wizard helps you install your printer or make printer connections. This printer will be managed by:
My Computer
All settings will be managed and configured on this computer.
Network printer server
Connect to a printer on another machine. All settings for this printer are managed by a print server that has been set up by an administrator.
< Back
Next >
Cancel

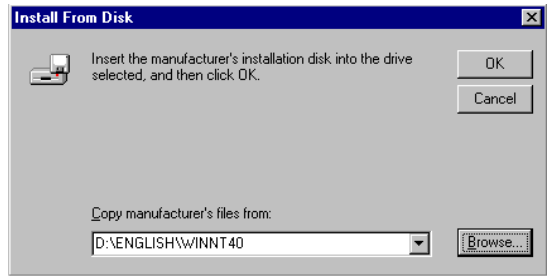
4. Select **My Computer**, then click **Next >**.
5. Select the printer port or ports you want to use, then click **Next >**.



6. Click **Have Disk…** in the manufacturer/Printers dialog box.

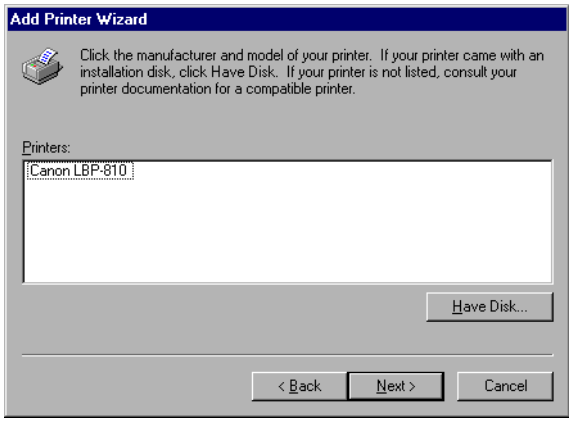


7. The **Install From Disk** dialog box appears. Use **Browse…** to select the directory or enter the path name that contains the CAPT, then click **OK**.

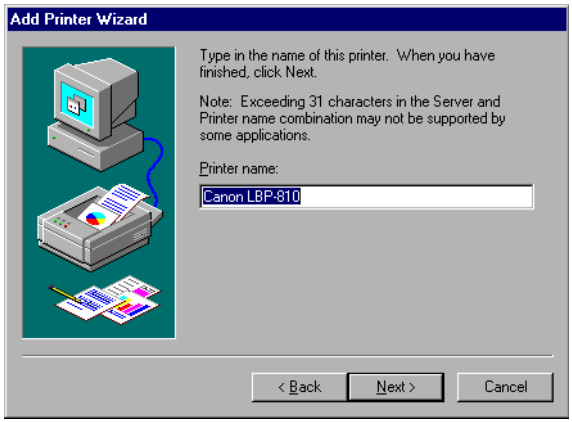


For example, if you are using the CD-ROM to install the CAPT, and your CD-ROM drive is drive D:, the path name would be D:\ENGLISH\WINNT40.

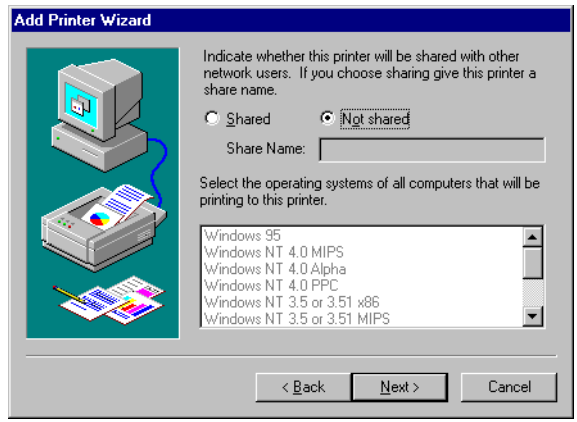
8. Select your printer model from the list of printers displayed, then click **Next >**.


Add Printer Wizard
Click the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for a compatible printer.
Printers:
Canon LBP-810
Have Disk...
< Back
Next >
Cancel

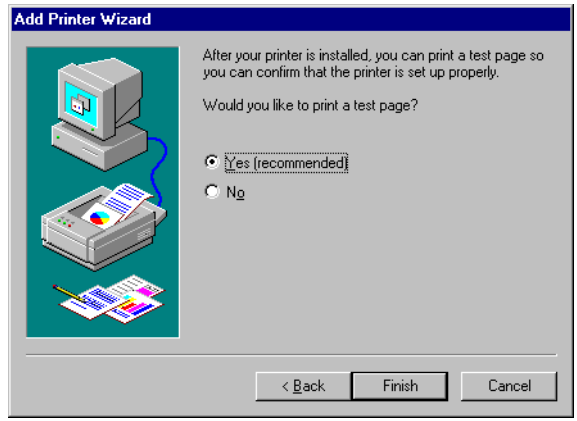
9. Click **Next >** to accept the default printer name, or enter the name you wish to use, then click **Next >**.


Add Printer Wizard
Type in the name of this printer. When you have finished, click Next.
Note: Exceeding 31 characters in the Server and Printer name combination may not be supported by some applications.
Printer name:
Canon LBP-810
< Back
Next >
Cancel

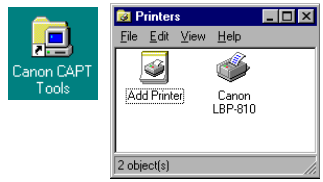
10. Select whether this printer is shared or not shared with other computers. If it is shared, select all the operating systems that will use this printer. Click **Next >**.


Add Printer Wizard
Indicate whether this printer will be shared with other network users. If you choose sharing give this printer a share name.
Shared
Not shared
Share Name:
Select the operating systems of all computers that will be printing to this printer.
Windows 95
Windows NT 4.0 MIPS
Windows NT 4.0 Alpha
Windows NT 4.0 PPC
Windows NT 3.5 or 3.51 x86
Windows NT 3.5 or 3.51 MIPS
< Back
Next >
Cancel

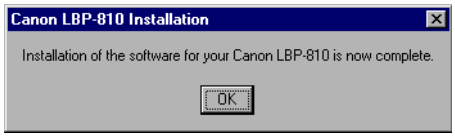
11. Click **Yes** if you want to print a test page, or **No** if you do not want to print a test page, then click **Finish**.


Add Printer Wizard
After your printer is installed, you can print a test page so you can confirm that the printer is set up properly.
Would you like to print a test page?
Yes (recommended)
No
< Back
Finish
Cancel

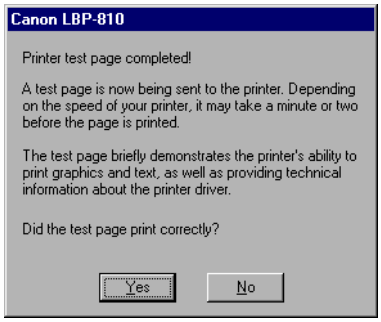
Windows creates the **Canon CAPT Tools** icon on the Desktop, and the **Canon LBP-810** icon is added to the **Printers** folder.



12. When the installation is complete, the following dialog box appears. Click **OK** to close the dialog.



13. If you opted to print a test page, the page prints after the installation completes, and the following dialog appears. If the page printed correctly, click **Yes**.


Canon LBP-810
Printer test page completed!
A test page is now being sent to the printer. Depending on the speed of your printer, it may take a minute or two before the page is printed.
The test page briefly demonstrates the printer's ability to print graphics and text, as well as providing technical information about the printer driver.
Did the test page print correctly?
Yes
No

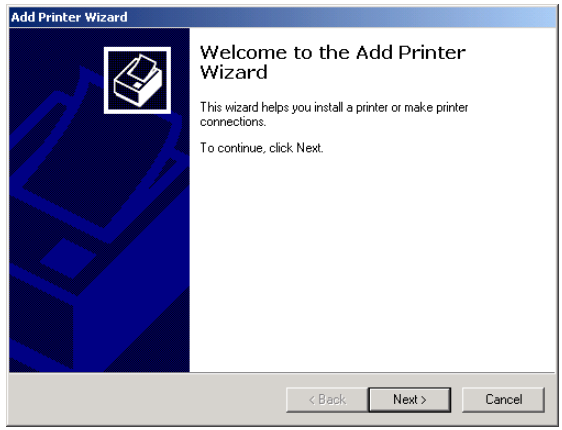
Windows 2000 Add Printer Wizard

To install the CAPT on a local computer using Windows 2000, you can use the **Add Printer Wizard**.

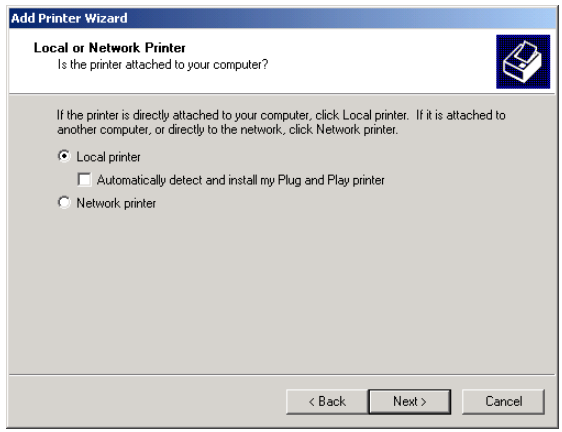
Following is the installation procedure for “Using Parallel Port” under Windows 2000.
To install the LBP-810 printer driver to USB port, perform procedure as same as “**Plug and Play**”.

1. Log on as member of Administrators. The full control access right for the printer is necessary for the installation of the CAPT.
2. From the **Start** menu, select **Settings**, then **Printers**. The **Printers** folder appears.

3. Double-click the **Add Printer** icon. The **Add Printer Wizard** dialog box appears. Click **Next >**.

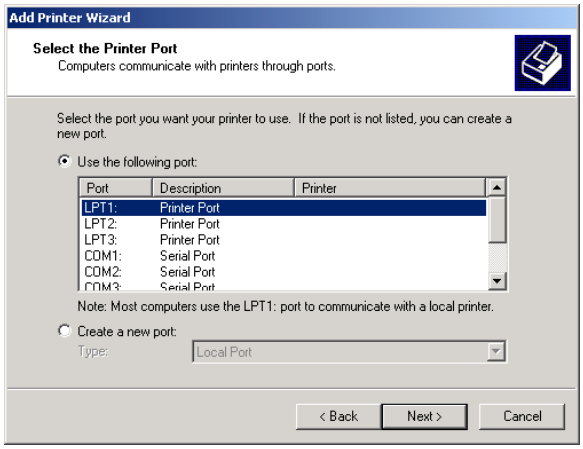

Add Printer Wizard
Welcome to the Add Printer Wizard
This wizard helps you install a printer or make printer connections.
To continue, click Next.
< Back
Next >
Cancel

4. Select **Local printer**, then click **Next >**.

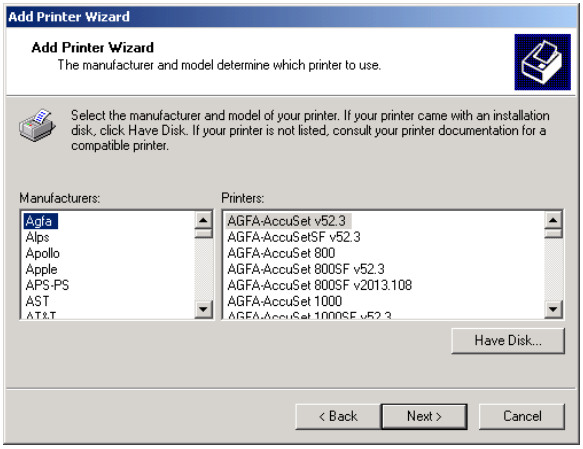

Add Printer Wizard
Local or Network Printer
Is the printer attached to your computer?
If the printer is directly attached to your computer, click Local printer. If it is attached to another computer, or directly to the network, click Network printer.
Local printer
Automatically detect and install my Plug and Play printer
Network printer
< Back
Next >
Cancel

To check on “Automatically detect and install my Plug and Play Printer” is not recomended.

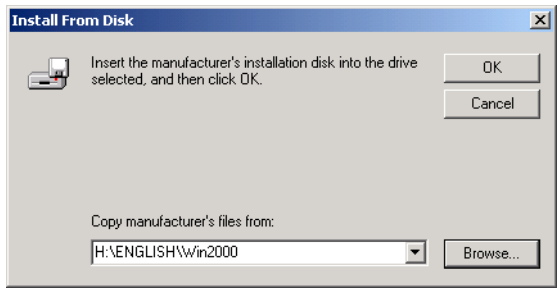
5. Select the printer port or ports you want to use, then click **Next >**.


Add Printer Wizard
Select the Printer Port
Computers communicate with printers through ports.
Select the port you want your printer to use. If the port is not listed, you can create a new port.
Use the following port:
Port
Description
Printer
LPT1: Printer Port
LPT2: Printer Port
LPT3: Printer Port
COM1: Serial Port
COM2: Serial Port
Note: Most computers use the LPT1: port to communicate with a local printer.
Create a new port:
Type:
Local Port
< Back
Next >
Cancel

6. Click **Have Disk…** in the Manufacturers/Printers dialog box.

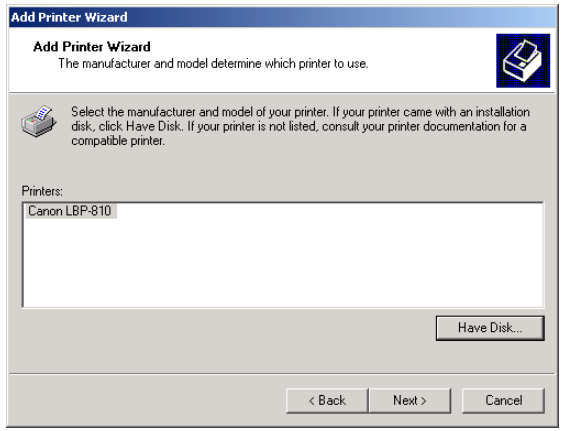


7. The **Install From Disk** dialog box appears. Use **Browse…** to select the directory or enter the path name that contains the CAPT, then click **OK**.

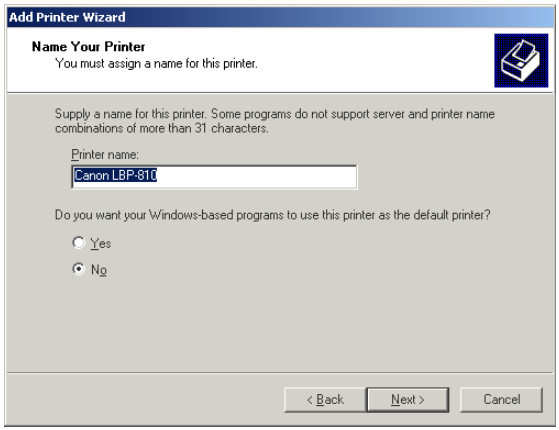


For example, if you are using the CD-ROM to install the CAPT, and your CD-ROM drive is drive H:, the path name would be H:\ENGLISH\Win2000.

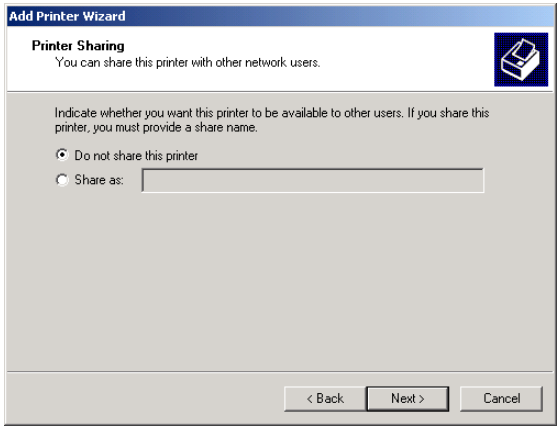
8. Select your printer model from the list of printers displayed, then click **Next >**.


Add Printer Wizard
Add Printer Wizard
The manufacturer and model determine which printer to use.
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for a compatible printer.
Printers:
Canon LBP-810
Have Disk...
< Back
Next >
Cancel

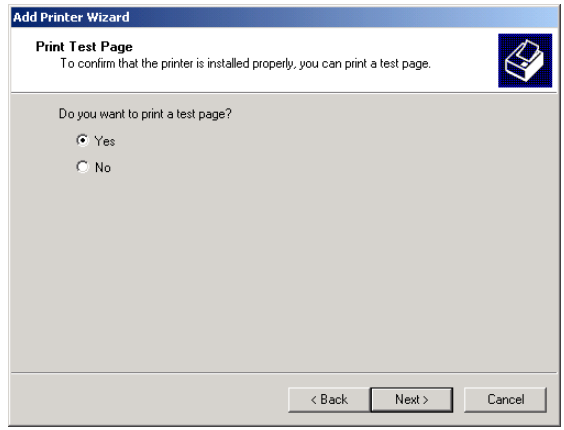
9. Click **Next >** to accept the default printer name, or enter the name you wish to use, then click **Next >**.


Add Printer Wizard
Name Your Printer
You must assign a name for this printer.
Supply a name for this printer. Some programs do not support server and printer name combinations of more than 31 characters.
Printer name:
Canon LBP-810
Do you want your Windows-based programs to use this printer as the default printer?
Yes
No
< Back
Next >
Cancel

10. Select whether this printer is shared or not shared with other computers. Click **Next >**.


Add Printer Wizard
Printer Sharing
You can share this printer with other network users.
Indicate whether you want this printer to be available to other users. If you share this printer, you must provide a share name.
Do not share this printer
Share as:
< Back
Next >
Cancel

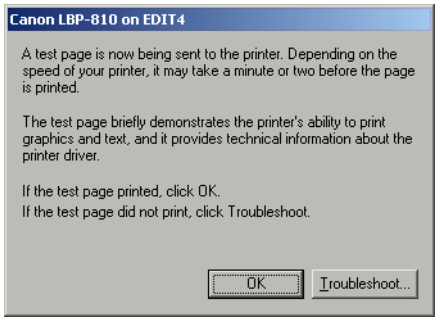
11. Click **Yes** if you want to print a test page, or **No** if you do not want to print a test page, then click **Next >**.


Add Printer Wizard
Print Test Page
To confirm that the printer is installed properly, you can print a test page.
Do you want to print a test page?
Yes
No
< Back
Next >
Cancel

12. Click **Finish**.
    Click **Yes** if the **Digital Signature Not Found** dialog box appears. Windows creates the **Canon CAPT Tools** icon on the Desktop, and the **Canon LBP-810** icon is added to the Printers folder.

13. When the installation is complete, the following dialog box appears. Click **OK** to close the dialog.

14. If you opted to print a test page, the page prints after installation completes, and the following dialog appears. If the page printed correctly, click **OK**.


Canon LBP-810 on EDIT4
A test page is now being sent to the printer. Depending on the speed of your printer, it may take a minute or two before the page is printed.
The test page briefly demonstrates the printer's ability to print graphics and text, and it provides technical information about the printer driver.
If the test page printed, click OK.
If the test page did not print, click Troubleshoot.
OK
Troubleshoot...

Connecting to the LBP-810 Already on Your Network

If the LBP-810 is already on your network you can install it two different ways. The easiest way is using automatic network download. If network download is not available, you can use the **Add Printer Wizard**.

Network Download

Windows 95/98/Me and Windows NT 4.0/2000 clients can download the drivers for the LBP-810 automatically.

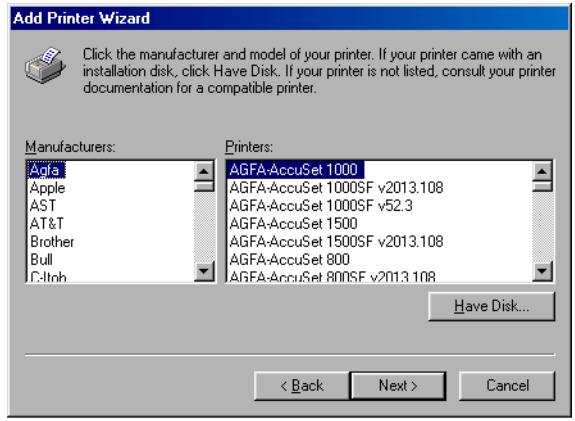
1. Open Explorer and browse the network until you can see the LBP-810 printer icon.
2. Double-click the printer icon, or drag the printer icon to your **Printers** folder.
3. Follow the instructions on screen.

- ❏ Service Pack 4 must be installed on Windows NT servers in order for Windows 95/98/Me clients to use network download.
- ❏ Windows NT 4.0/2000 clients cannot download the driver from Windows 95/98/Me servers.

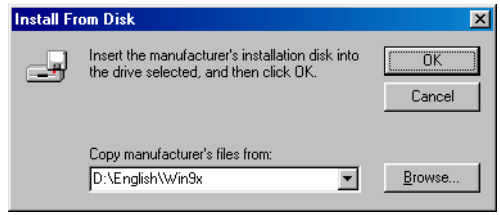
Windows 95/98/Me Add Printer Wizard

To install the CAPT for a network printer you can use the Windows 95/98/Me **Add Printer Wizard**.

1. From the **Start** menu, select **Settings**, then **Printers**. The **Printers** folder appears.
2. Double-click the **Add Printer** icon. The **Add Printer Wizard** dialog box appears.
3. Select **Network printer**, then click **Next >**.
4. Enter the network path or print queue that you want to connect to, or use **Browse…** to open the **Browse for Printer** dialog to select the printer.
5. The Wizard displays a list of available printers. Click **Have Disk…**.



6. The **Install From Disk** dialog box appears. Use **Browse…** to select the directory or enter the path name that contains the printer software, then click **OK**.



7. If the server is a Windows 95/98/Me computer, you can enter a name for the printer, or accept the default name and click **Next >**.

If the connection fails you'll be able to install the printer but you will not be able to use the printer until it comes back online.

8. Follow the instructions on screen to finish the installation.

Windows NT 4.0/2000 Add Printer Wizard

To install the CAPT for a network printer you can use the Windows NT 4.0/2000 **Add Printer Wizard**.

1. Log on as member of Administrators. The full control access right for the printer is necessary for the installation of the CAPT.
2. From the **Start** menu, select **Settings**, then **Printers**. The **Printers** folder appears.
3. Double-click the **Add Printer** icon. The **Add Printer Wizard** dialog box appears.
4. Select **Network printer server**, then click **Next >**. The **Connect to Printer** dialog appears.
5. Select the printer you want to connect to, then click **OK**. If the printer name is invalid, it means the client could not connect to the network printer specified. If a suitable driver is not found, it probably means the server is a Windows 95/98/Me computer.
6. Follow the directions on screen to complete installation.

Printer Sharing

Printer sharing enables printing from network clients. Printer sharing with the LBP-810 printer requires that both the print server and the client devices are using Windows 95 or later, or Windows NT 4.0 or later. The print server and client do not need to use the same operating system, and it is possible to print from a Windows 95/98/Me client to a Windows NT 4.0/2000 print server, or vice versa.

You can start printing simply by starting the server, even if the server was not running when the client was started.

If the server is running on Windows NT 4.0/2000, you can print, even if no one is logged into the server. Please note that there is no status display on the server when no one is logged in. The status display is shown on the client.

Connecting the LBP-810 as a Network Printer

If you plan to share the LBP-810 on a network, install the print server locally, then make the following settings. See your print server system documentation for more information.

Windows 95/98/Me Server Settings

Network Settings

1. Double-click the Network icon in the Control Panel.
2. Select the Configuration tab, then click **Add**.
3. Select Service, then click **Add**.
4. Select **Microsoft** in the Manufacturers list box.
5. Select **File and Printer Sharing for Microsoft Networks** in the Network Services box, then click **OK**.
6. Click **File and Print Sharing**.

Be sure there is a check by “I want to be able to allow others to print to my printer(s).”

7. Select the Access Control tab and check either “Share-level Access Control” or “User-level Access control.”

8. Click **OK** and then restart Windows.

Printer Settings

Share-level Access Control

1. Open the **Canon LBP-810 Properties** window, then check "Shared As" in the Sharing tab.
2. Enter the Share name, Comments, and Password as needed.
3. Click **OK**.

User-level Access Control

1. Open the **Canon LBP-810 Properties** window, then check "Shared As" in the Sharing tab.
2. Enter the Share Name and Comments, as needed.
3. Click **Add**, and select the users allowed to access the printer.
4. Click **OK** when you are done adding users.
5. Click **OK** again.

Do not enter space or special character in the Share Name.

Windows NT 4.0/2000 Server Settings

Add Server Service (Windows NT 4.0)

1. Double-click the Network icon from the Control Panel.
2. Select the Services tab, and if the Server is not shown, click **Add**.
3. Select the Server, and click **OK**.
4. Restart Windows.

Add Server Service (Windows 2000)

1. From the **Start** menu, select **Settings**, them **Network and Dial-up Connections**.
   The **Network and Dial-up Connections** folder appears.
2. Right-click the **Local Area Connection** icon, then select **Properties** form the menu.
   The **Local Area Connection Properties** dialog box appears.

3. Select **File and Printer Sharing for Microsoft Networks**, then click **OK**.

Printer Sharing Settings

1. Open the **Canon LBP-810 Properties** window, then check “Shared” in the Sharing tab.
2. Enter the Share Name as needed.
3. Click **OK**. The printer icon changes to indicate sharing.

Sharing settings may also be made during installation.

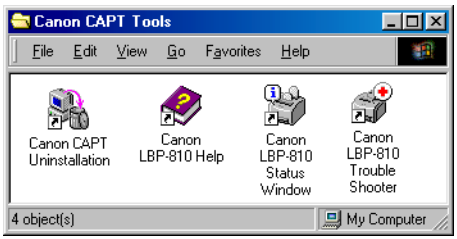
Status Display

The status of a shared printer displays on both the print server and client computer, and job operations can execute from either. Please note that execution of job operations requires Manage Documents authority.

Status display requires status exchanges between the print server and client using TCP/IP and NetBEUI protocols. Status display is not supported if IPX/SPX is the only protocol used.

The Canon CAPT Tools

When you install the CAPT, the Canon CAPT Tools group is created.



You can select the following from the Canon CAPT Tools group:

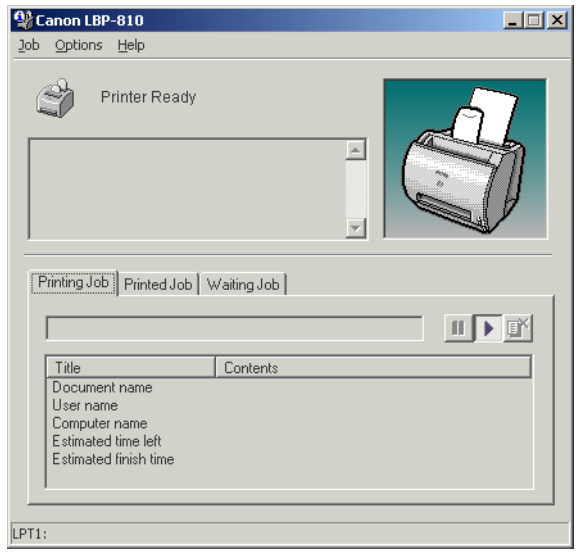
- **Canon LBP-810 Help**
  Selects the Canon LBP-810 Help file for the CAPT.
- **Canon LBP-810 Status Window**
  Displays the LBP-810 Status Window.
- **Canon LBP-810 Trouble Shooter**
  Starts the Trouble Shooter program for the CAPT. It helps you solve printing problems in Windows 95/98/Me or NT 4.0/2000. For details, see Chapter 4, *Troubleshooting*.
- **Canon CAPT Uninstallation**
  Starts the uninstall program for the CAPT. If the CAPT is not working properly, it might help to uninstall and then install it again. For details, see Chapter 4, *Troubleshooting*.

Printing with the CAPT

The CAPT offers bi-directional communication between the computer and printer. To take advantage of the bi-directional communication, one end of a bi-directional parallel cable connects to the printer and the other end connects directly to your computer.

You must use a bi-directional cable for proper operation.

Every time you print, the CAPT displays the Canon LBP-810 Status Window. This window shows you the paper moving through the printer, how long it will take to print the document, and how much of the document has printed. From the Status Window you can pause, resume, or delete the current print job.



If a printing problem occurs, the Canon LBP-810 Status Window automatically opens and identifies the problem.

Before using the CAPT, make sure you select it as your current Windows printer driver. During Setup, the installation program makes the CAPT the default printer driver. If you have not changed printers since running the Setup program, you are ready to print.

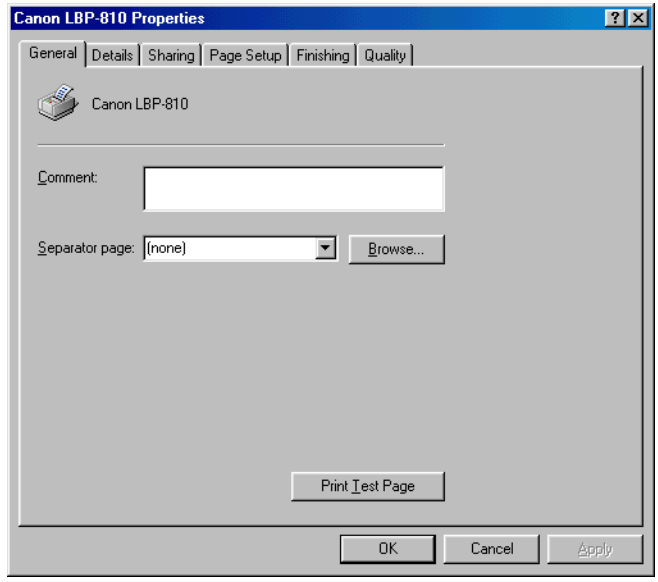
Windows 95/98/Me Printer Properties

With the CAPT, you initiate printing as you normally would from a Windows application. From the **Print** dialog box, usually accessed from an application's **File** menu, you can select **Properties** to proceed to the **Canon LBP-810 Properties** dialog box and its printing options.

- ❏ You can open the **Properties** dialog box from the **Printers** folder. The number of tabs displayed in the **Properties** dialog box depends on how you have your system set up. Screens examples use Windows 98.
- ❏ The way you get to the dialog boxes determines how long the printing options remain in effect:
  - If you start from an application's **Print...** command, your choices apply only to that print job. They will not be stored when you close the application.
  - If you start from the **Printers** folder, the settings apply to all Windows applications and remain in effect until you change those settings.
- ❏ For more information about the following features, see the online Help. To display the online help, select the item you want more information about and press **F1**, or click **?** in the title bar and then select the item of interest.

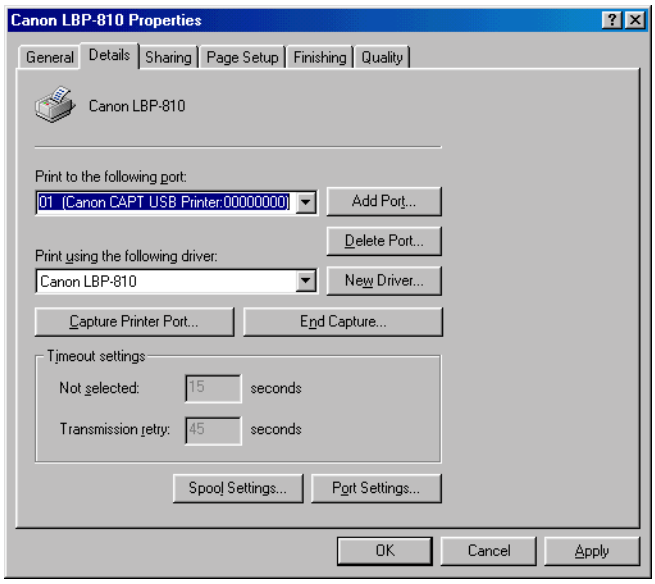
General Tab

Lets you print a test page or define separator pages. Refer to your operating system documentation for more information.



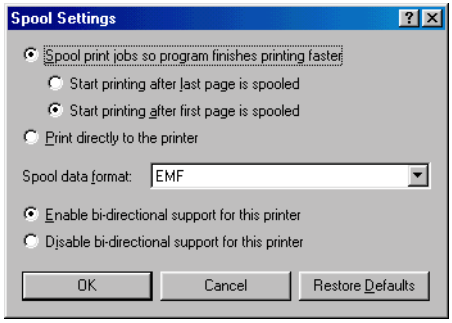
Details Tab

Specifies the printer port and time-out settings. Refer to your operating system documentation for more information.



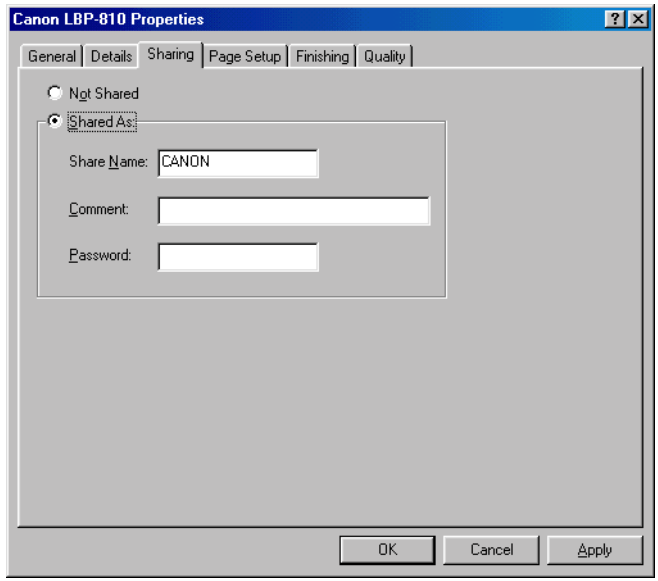
Spool Settings…

The installer sets the following defaults.


Spool Settings
Spool print jobs so program finishes printing faster
Start printing after last page is spooled
Start printing after first page is spooled
Print directly to the printer
Spool data format:
EMF
Enable bi-directional support for this printer
Disable bi-directional support for this printer
OK
Cancel
Restore Defaults

Sharing Tab

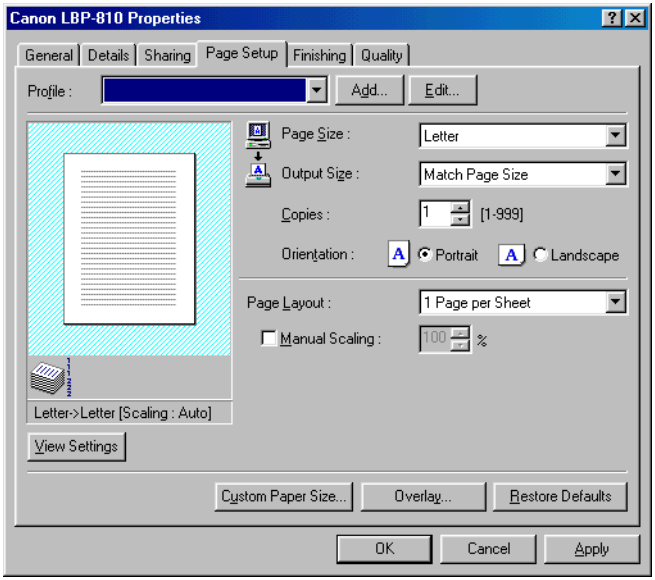
Specifies the printer-sharing settings. This tab is available only when file and printer sharing is turned on. Refer to your operating system documentation for more information.



Page Setup Tab

Specifies paper size, scaling, number of copies, orientation, and pages per sheet.

For information on Profiles, see page 65.



Page Size lets you select the paper size you are working with in your application. (Letter, Legal, A4, B5, Executive, Envelope DL, Envelope#10, Envelope C5, Envelope Monarch, Index Card, and 3 custom paper sizes. The names of the custom paper sizes are set with the **Custom Paper Size** option.)

Output Size lets you select the paper size to print on. If your output size is set to anything other than **Match Page Size**, the image will be automatically reduced or enlarged to fit on the page.

Copies lets you specify the number of copies to be printed (1-999).

Orientation lets you select the direction of printing relative to the paper (Portrait, Landscape).

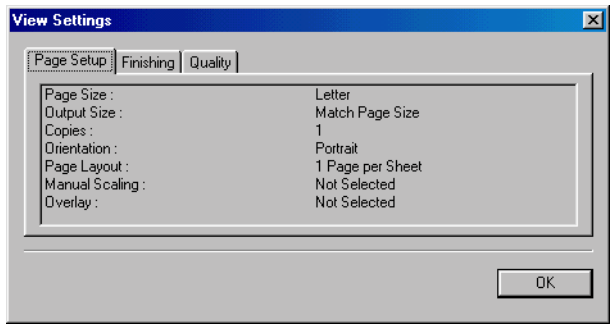
Page Layout lets you select the number of pages per sheet (1, 2, 4, 8, 9). If you select more than 1, the image may be reduced to fit on the selected output size. When 2, 4, 8, or 9 pages per sheet is selected **Manual**

Scaling disappears and **Page Order** appears in its place.

Manual Scaling lets you shrink or enlarge images. This option only appears when **1 Page per Sheet** is selected as the **Page Layout**. Check the check box to set a reduction or enlargement percentage (10-200).

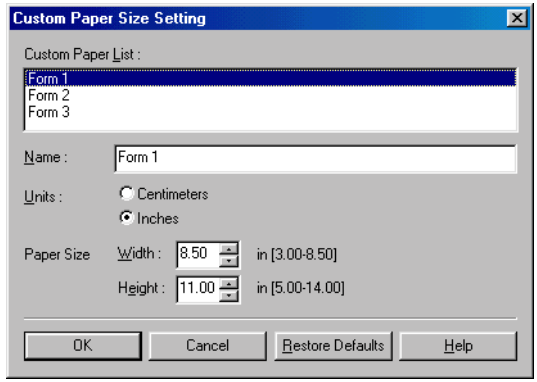
View Settings

To get a quick view of your current settings, click **View Settings**, which is located on the **Page Setup**, **Finishing**, and **Quality** tabs. Click on the tabs in the **View Settings** dialog box to view the settings for each tab.



Custom Paper Size

Custom Paper Size on the **Page Setup** tab window allows you to define custom paper sizes (forms) for quick selection. You can specify the name, width, and height of each form. You can have up to 3 custom forms.



Selecting a Custom Paper Size Setting

1. Select one of the predefined forms from the **Custom Paper List**.
2. If you wish, enter a unique name in the **Name** area.
3. Select the **Units** of measurement (Centimeters or Inches).
4. Define the **Paper Size** using the **Width** (7.62–21.59 cm) and **Height** (12.70–35.56 cm) settings.
5. Click **OK** to accept your changes.

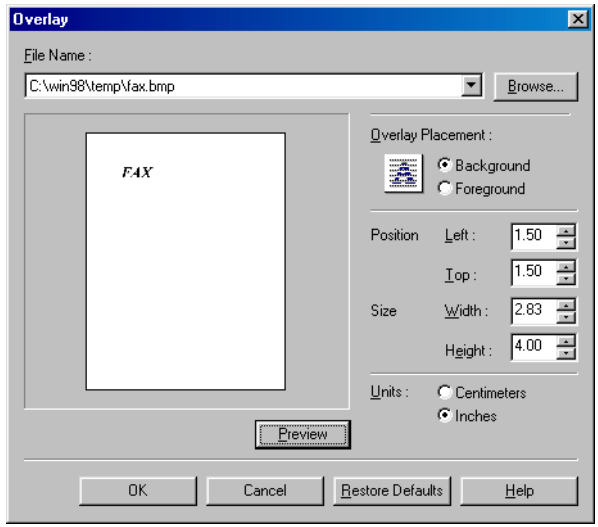
If you wish to restore the default settings to *all* of the custom forms, then click **Restore Defaults**.

Overlay

An overlay allows you to add data you use often, such as a logo, to the print data from an application. For example, when using an overlay you can automatically print your logo on letters you create.

Overlay on the **Page Setup** tab accesses the settings to specify how you want the overlay and print data printed, including the print position, size, and whether it is printed in the foreground (on top of) or background (under) the application data.

Use **Browse…** to select the file that contains the overlay data.



File Name displays the currently selected overlay file name.

Browse… Opens the **Select File** dialog box. When you select a file and close the **Select File** dialog box, the **File Name** drop-down list and preview are updated. The overlay file must be a Windows bitmap or a Windows metafile.

Overlay Placement lets you specify if you want the overlay to appear in back of the application data or in front of the application data (Background, Foreground).

Position lets you specify the position of the overlay based on its distance from the paper's left and top edges.

Size lets you set the size of the overlay.

Units lets you select the units of measurement (Centimeters, Inches).

Restore Defaults resets Left, Top, Width and Height to their default values.

Profiles

The **Profile** function allows you to save and restore settings for **Page Setup**, **Finishing**, and **Quality**, so you can easily add, edit or select that combination of settings. You can save up to 50 profiles. If you select "Users can customize their own preferences and desktop settings" in the **User's Profiles** tab in the **Passwords** control panel, up to 50 profiles can be stored for each user.

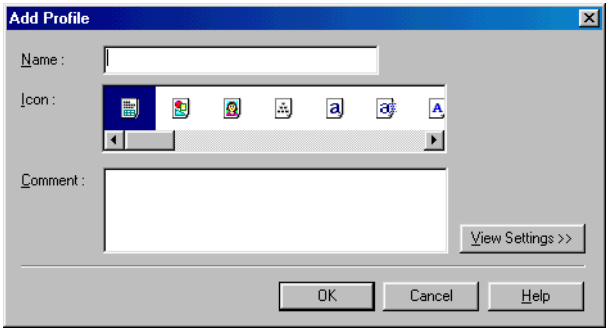
Profile lets you select profiles from a pull-down menu.

Add… opens the **Add Profile** dialog.

Edit… opens the **Edit Profile** dialog.

Add Profiles

After setting the desired options, you can create a new profile by clicking **Add…** on the **Page Setup**, **Finishing**, or **Quality** tab.



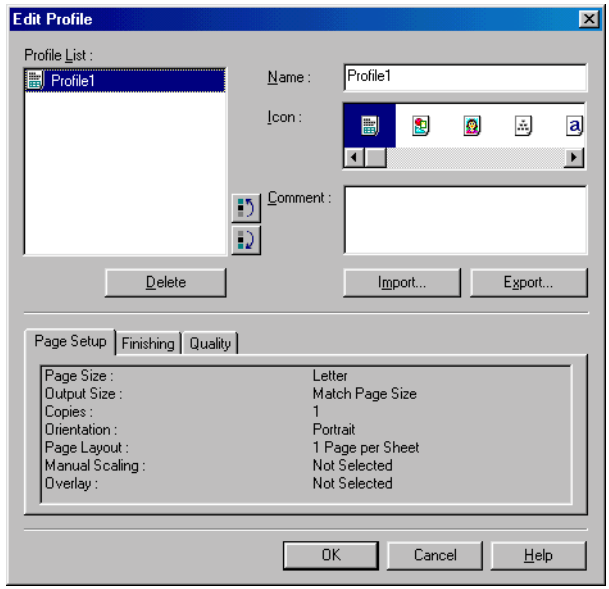
Name lets you specify the profile name.

Icon lets you select an icon to represent the new profile.

View Settings >> shows or hides the profile's settings.

Edit Profiles

After you have created a profile, you can select it from the pull-down menu on the **Page Setup**, **Finishing**, or **Quality** tab window. **Edit…** lets you edit an existing profile.



Profile List displays a list of saved profiles. The order that profiles appear in this list is the order they appear in the pull-down menus.

Delete lets you delete the selected profile.

Import… lets you import profile information from a file.

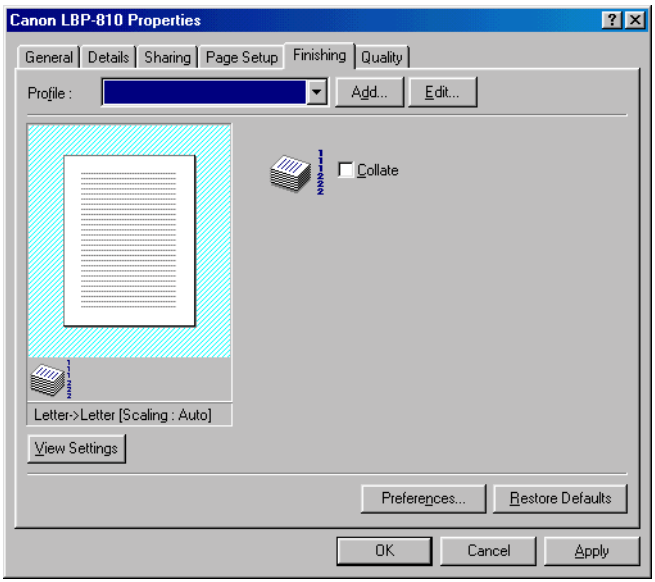
Export… lets you export the selected profile information to a file.

- ❏ If you change the name assigned to your printer, you cannot retrieve any profiles saved for that printer. To retrieve the profiles, rename the printer to its original name.
- ❏ Profiles are not erased even when the printer driver is uninstalled.
- ❏ Overlay history information is not stored in profiles.

Finishing Tab

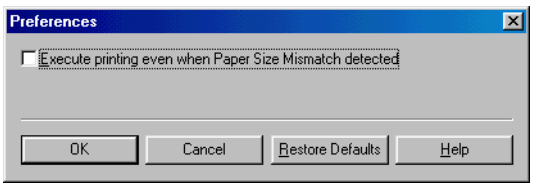
Specifies how final output is collated. Check the check box to collate the document.

For information on Profiles, see page 65.



Preferences

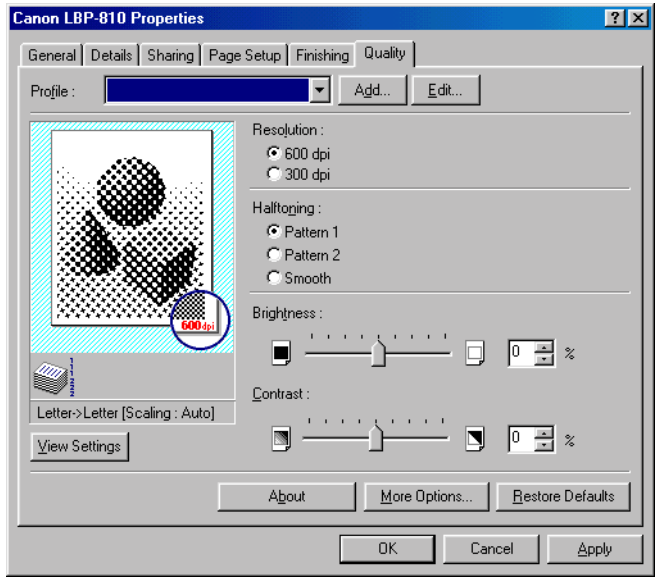
Preferences… on the **Finishing** tab window opens the **Preferences** dialog box. The check box lets you force pages to print, even when the paper size does not match. If this is not checked, you'll be asked to change paper when a paper size mismatch is detected.By default the setting for this option is unchecked.



Quality Tab

Specifies the resolution, halftoning method, brightness, and contrast settings.

For information on Profiles, see page 65.

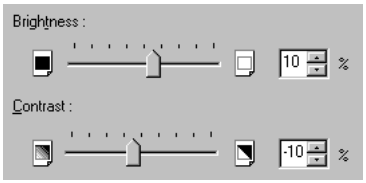


Resolution lets you specify the printer's resolution in dots per inch (600,300).

Halftoning is the process of converting a grayscale image to black dots and white (unprinted) dots that simulate the gray shades in the original image. Different halftone patterns give different gray shade results.

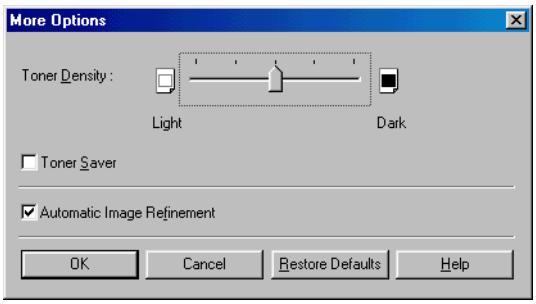
Brightness is the relative proportion of light and dark areas. Decreasing brightness darkens the overall image; increasing brightness lightens it. Brightness is expressed as a relative range from -80% to +80%.

Contrast is the degree of difference between the lightest and darkest areas of an image. Decreasing contrast lightens the dark areas and darkens the light areas; increasing it darkens the dark areas and lightens the light areas. Contrast is expressed as a relative range from -80% to +80%.



More Options

More Options accesses the settings for toner density, toner saver, and Automatic Image Refinement.



Toner Density lets you select how light or dark your pages print. Move the slider to the right to darken your printed output, slide it to the left to lighten your printed output.

Toner Saver prints only alternate data bits, so toner consumption is reduced.

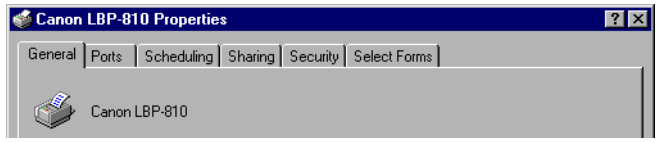
Automatic Image Refinement is a printer technology from Canon, with which the printer automatically senses and refines the jagged edges and ragged curves of characters and graphics.

*Windows NT 4.0/2000 Printer Properties and Default Document Properties**

The CAPT for Windows NT 4.0/2000 has two main dialog boxes: the **Printer Properties** dialog box and the **Default Document Properties*** dialog box.

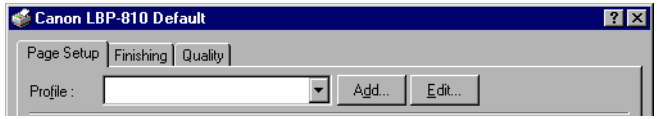
Printer Properties

To view the printer properties, select **Properties** from the **File** menu in the **Printers** folder, or click the right mouse button on the LBP-810 icon in the **Printers** folder and select **Properties** from the pop-up menu.



Default Document Properties*

In the **Default Document Properties*** dialog box, you can specify the default settings for the printing options available when you print on the LBP-810. To view the default document properties, select **Document Defaults...**** from the **File** menu in the **Printers** folder, or click the right mouse button on the LBP-810 icon in the **Printers** folder, and select **Document Defaults...**** from the pop-up menu.



You can also open an equivalent dialog box and specify the setting by selecting **Print** or **Page Setup** from the **File** menu of an application.

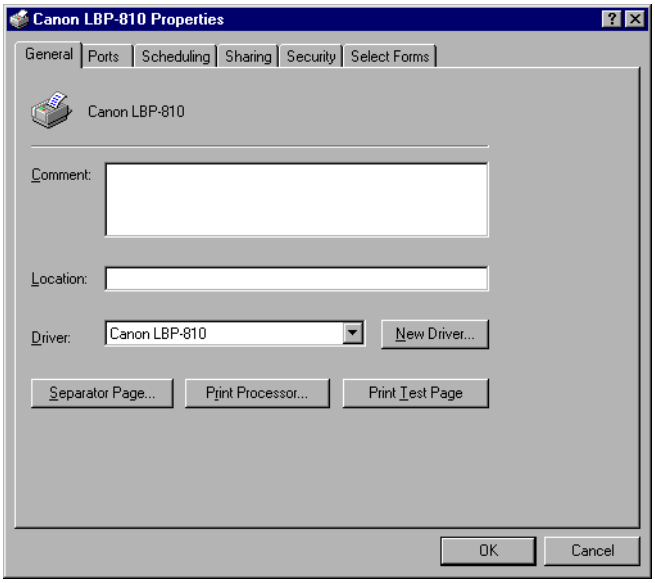
- ❏ The number of tabs displayed in the **Properties** dialog box depends on how you have your system set up. Screens example use Windows NT 4.0.
- ❏ For more information about the following features, see the online Help. To display the online help, select the item you want more information about and press **F1**, or click**?** in the title bar and then select the item of interest.

* Printing Preference in Windows 2000

** Printing Preference... in Windows 2000

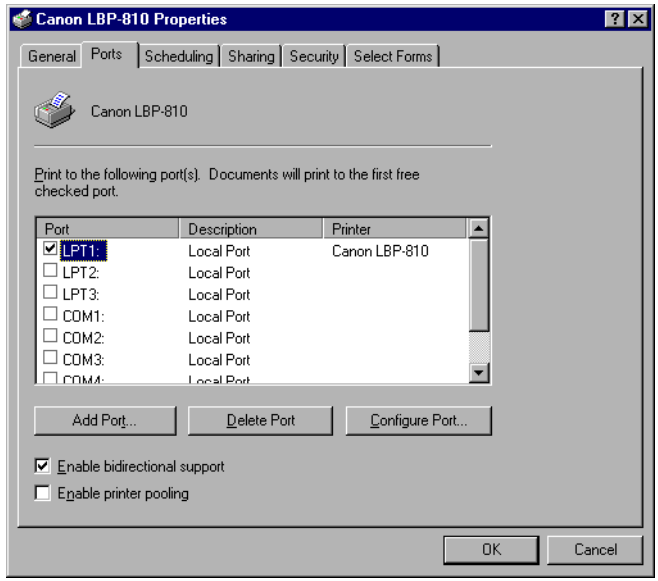
General Tab

Specifies to print a test page and separator pages. Refer to your operating system documentation for more information.



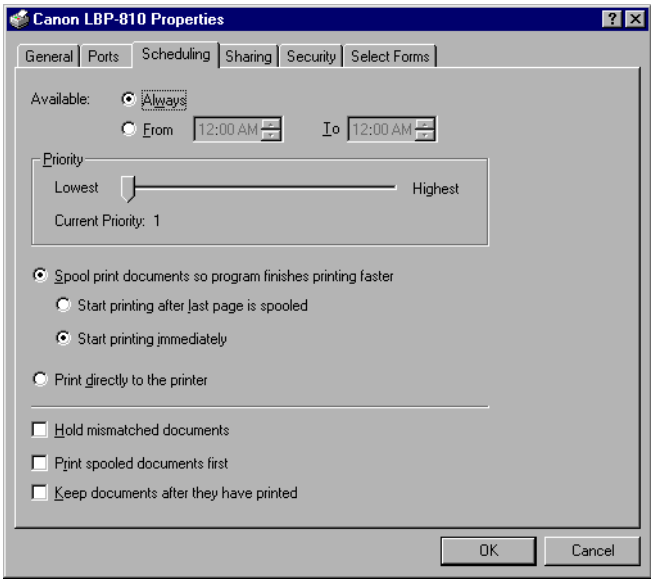
Ports Tab

Lets you specify the port to which the printer is attached. Refer to your operating system documentation for more information.



Scheduling Tab

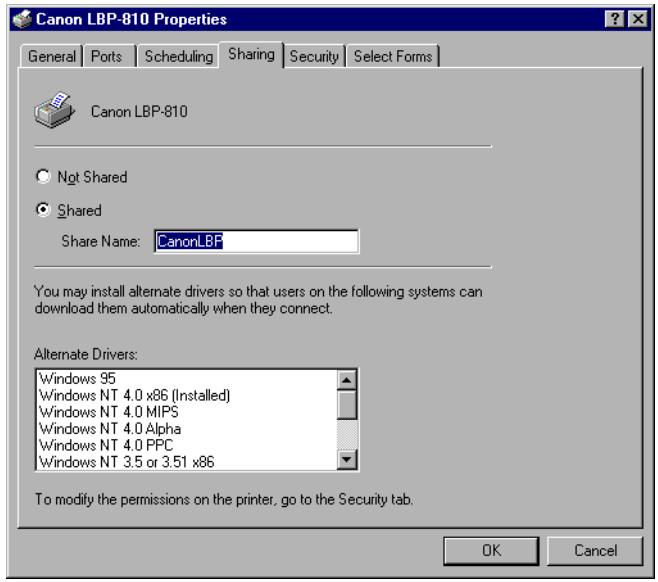
Lets you define print spooling settings. Refer to your operating system documentation for more information.



"Spool print documents so program finishes printing faster" and "Start printing immediately" are set automatically when you install the printer driver.

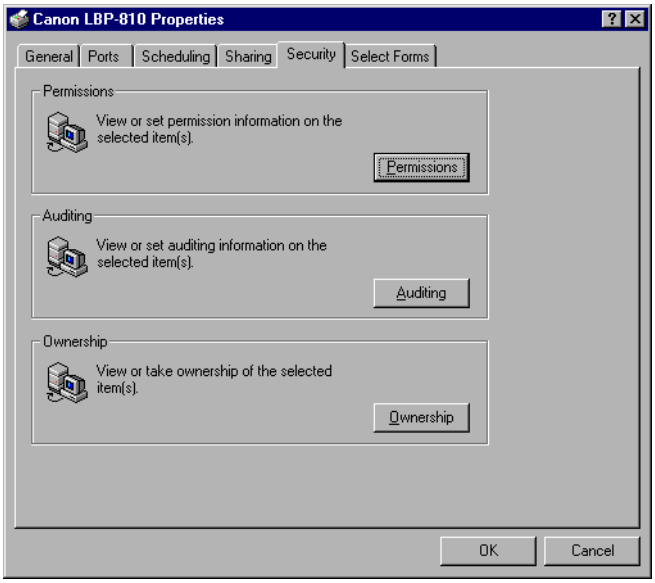
Sharing Tab

Specifies the printer-sharing settings. Refer to your operating system documentation for more information.



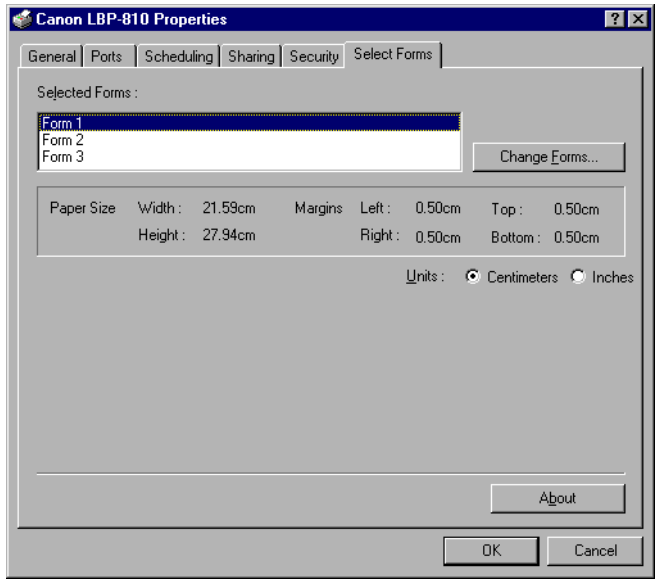
Security Tab

Lets you specify security settings. Refer to your operating system documentation for more information.



Select Forms Tab

This printer driver supports three custom paper sizes. Using the custom forms defined on the **Forms** tab in the print server's **Properties** dialog box, you can add information about the custom paper sizes. Form definitions must conform to the printer's specifications.



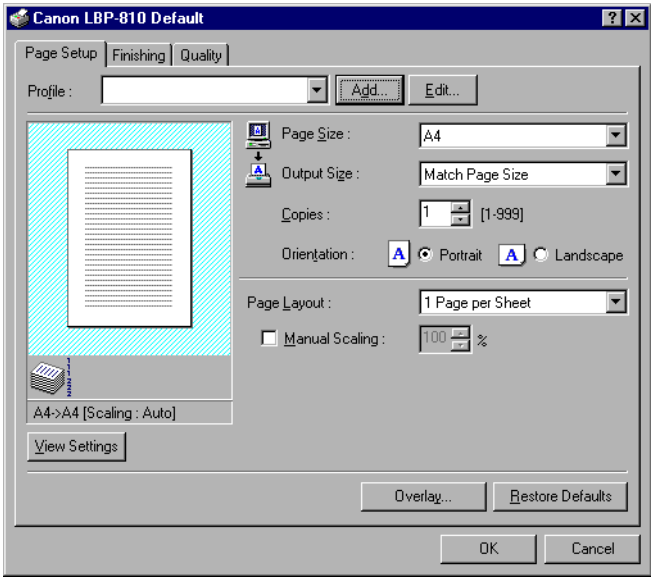
Selected Forms shows the three form names.

Change Forms… opens the **Change Forms** dialog. This dialog contains a listing of the available forms, and their definitions (Available Forms have Height: 12.70–35.56 cm and Width: 7.62–21.59 cm) that were defined in the **Forms** tab in the print server's **Properties** dialog box. Only forms that conform to the printer's specifications are listed as available.When you choose a form in the list and then click **OK**, the form information is copied to the selected form in the **Selected Forms** list on the **Select Forms** tab.

Page Setup Tab

Specifies paper size, scaling, number of copies, orientation, and pages per sheet.

For information on Profiles, see page 80.



Page Size lets you select the paper size you are working with in your application. (Letter, Legal, A4, B5, Executive, Envelope DL, Envelope #10, Envelope C5, Envelope Monarch, Index Card, and 3 custom paper sizes.)

Output Size lets you select the paper size to print on. If your output size is set to anything other than **Match Page Size**, the image will be automatically reduced or enlarged to fit on the page.

Copies lets you specify the number of copies to be printed (1-999).

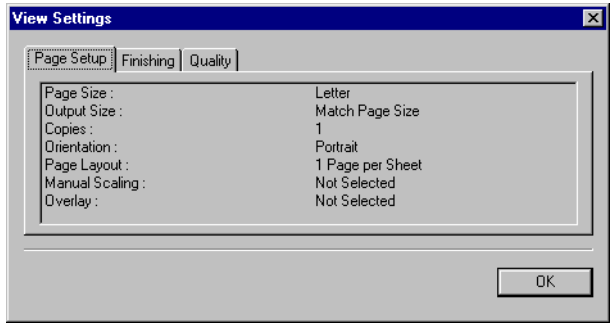
Orientation lets you select the direction of printing relative to the printer's paper (Portrait, Landscape).

Page Layout lets you select the number of pages per sheet (1, 2, 4, 8, 9). If you select more than 1, the image may be reduced to fit on the selected output size. When 2, 4, 8, or 9 pages per sheet is selected **Manual Scaling** disappears and **Page Order** appears in its place.

Manual Scaling lets you shrink or enlarge images. This option only appears when **1 Page per Sheet** is selected as the **Page Layout**. Check the check box to set a reduction or enlargement percentage (10-200).

View Settings

To get a quick view of your current settings, click **View Settings**, which is located on the **Page Setup**, **Finishing**, and **Quality** tabs. Click on the tabs in the **View Settings** dialog box to view the settings for each tab.

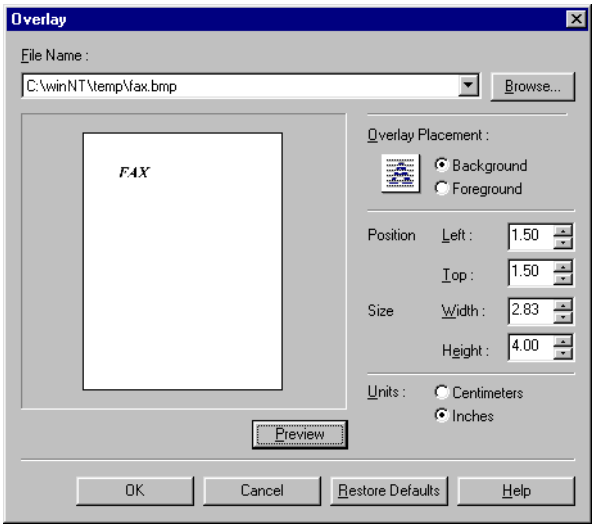


Overlay

An overlay allows you to add data you use often, such as a logo, to the print data from an application. For example, when using an overlay you can automatically print your logo on letters you create.

Overlay on the **Page Setup** tab accesses the settings to specify how you want the overlay and print data printed, including the print position, size, and whether it is printed in the foreground (on top of) or background (under) the application data.

Use **Browse…** to select the file that contains the overlay data.



File Name displays the currently selected overlay file name.

Browse… Opens the **Select File** dialog box. When you select a file and close the **Select File** dialog box, the **File Name** drop-down list and Preview are updated. The overlay file must be a Windows bitmap or a Windows metafile.

Overlay Placement lets you specify if you want the overlay to appear in back of the application data or in front of the application data (Background, Foreground).

Position lets you specify the position of the overlay based on its distance from the paper's left and top edges.

Size lets you set the size of the overlay.

Units lets you select the units of measurement (Centimeters, Inches).

Restore Defaults resets Left, Top, Width and Height to their default values.

Profiles

The **Profile** function allows you to save and restore settings for **Page Setup**, **Finishing**, and **Quality**, so you can easily add, edit or select that combination of settings. You can save up to 50 profiles. If you select "Users can customize their own preferences and desktop settings" in the **User's Profiles** tab in the **Passwords** control panel, up to 50 profiles can be stored for each user.

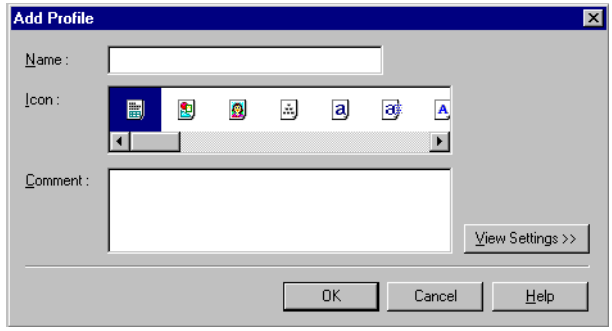
Profile lets you select profiles from a pull-down menu.

Add… opens the **Add Profile** dialog.

Edit… opens the **Edit Profile** dialog.

Add Profiles

After setting the desired options, you can create a new profile by clicking **Add…** on the **Page Setup**, **Finishing**, or **Quality** tab.



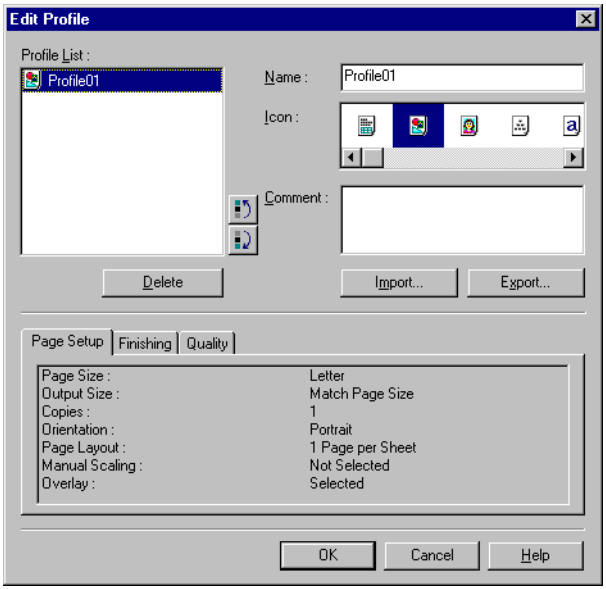
Name lets you specify the profile name.

Icon lets you select an icon to represent the new profile.

View Settings >> shows or hides the profile's settings.

Edit Profiles

After you have created a profile, you can select it from the pull-down menu on the **Page Setup**, **Finishing**, or **Quality** tab window. **Edit…** lets you edit an existing profile.



Profile List displays a list of saved profiles. The order that profiles appear in this list is the order they appear in the pull-down menus.

Delete lets you delete the selected profile.

Import… lets you import profile information from a file.

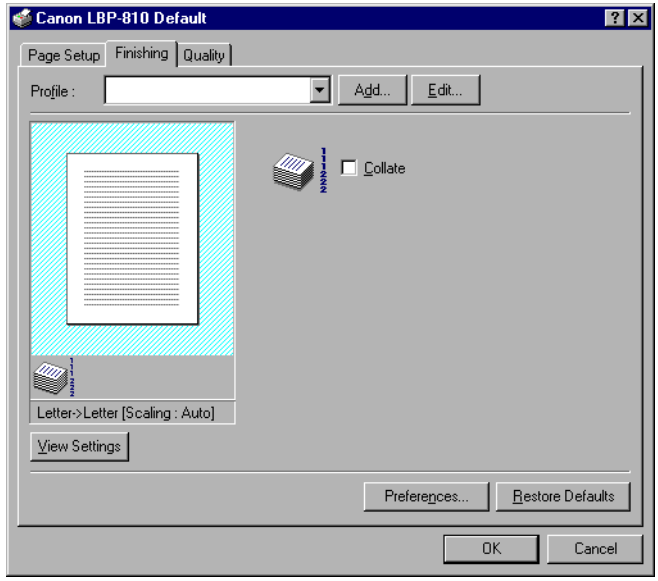
Export… lets you export the selected profile information to a file.

- ❏ If you change the name assigned to your printer, you cannot retrieve any profiles saved for that printer. To retrieve the profiles, rename the printer to its original name.
- ❏ Profiles are not erased even when the printer driver is uninstalled.
- ❏ Overlay history information is not stored in profiles.

Finishing Tab

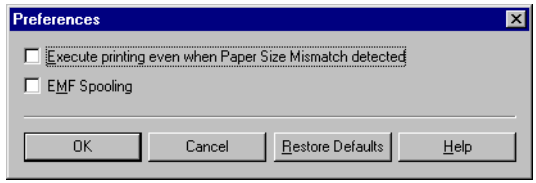
Specifies how final output is collated. Check the check box to collate the document.

For information on Profiles, see page 80.



Preferences

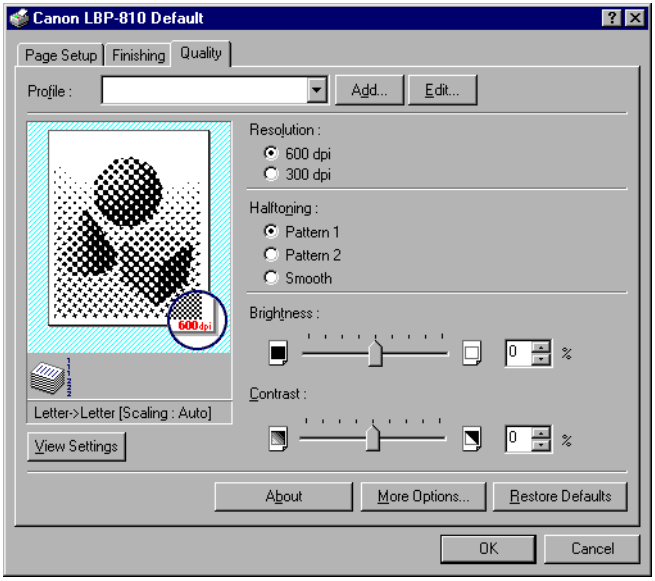
Preferences... on the **Finishing** tab window opens the **Preferences** dialog box. The first check box lets you force pages to print, even when the paper size does not match. If this is not checked, you'll be asked to change paper when a paper size mismatch is detected. The second check box lets you turn EMF Spooling on. If this is not checked, EMF Spooling will be off. These settings are unchecked by default.



Quality Tab

Specifies the resolution, halftoning method, brightness, and contrast settings.

For information on Profiles, see page 80.

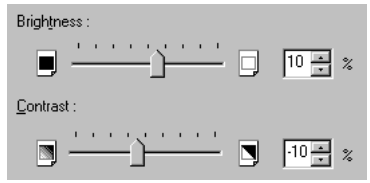


Resolution lets you specify the printer's resolution in dots per inch (600,300).

Halftoning is the process of converting a grayscale image to black dots and white (unprinted) dots that simulate the gray shades in the original image. Different halftone patterns give different gray shade results.

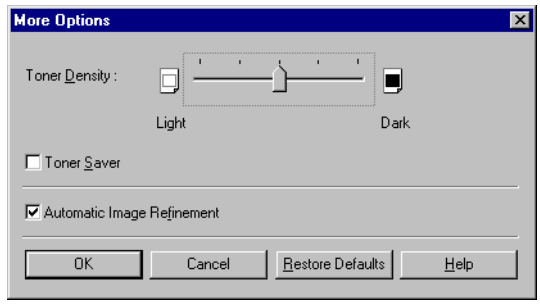
Brightness is the relative proportion of light and dark areas. Decreasing brightness darkens the overall image; increasing brightness lightens it. Brightness is expressed as a relative range from -80% to +80%.

Contrast is the degree of difference between the lightest and darkest areas of an image. Decreasing contrast lightens the dark areas and darkens the light areas; increasing it darkens the dark areas and lightens the light areas. Contrast is expressed as a relative range from -80% to +80%.



More Options

More Options accesses the settings for toner density, toner saver, and Automatic Image Refinement.



Toner Density lets you select how light or dark your pages print. Move the slider to the right to darken your printed output, slide it to the left to lighten your printed output.

Toner Saver prints only alternate data bits, so toner consumption is reduced.

Automatic Image Refinement is a printer technology from Canon, with which the printer automatically senses and refines the jagged edges and ragged curves of characters and graphics.

Checking the Status of a Print Job

You can track and control your print jobs using either of the following methods:

- ❏ The Canon LBP-810 Status Window
  Tells you exactly what is happening with the current print job.
- ❏ The Windows Printers folder
  Helps you control and manage all print jobs in a queue for all printers installed in Windows.

Opening the Status Window

The LBP-810 Status Window opens automatically in the following situations:

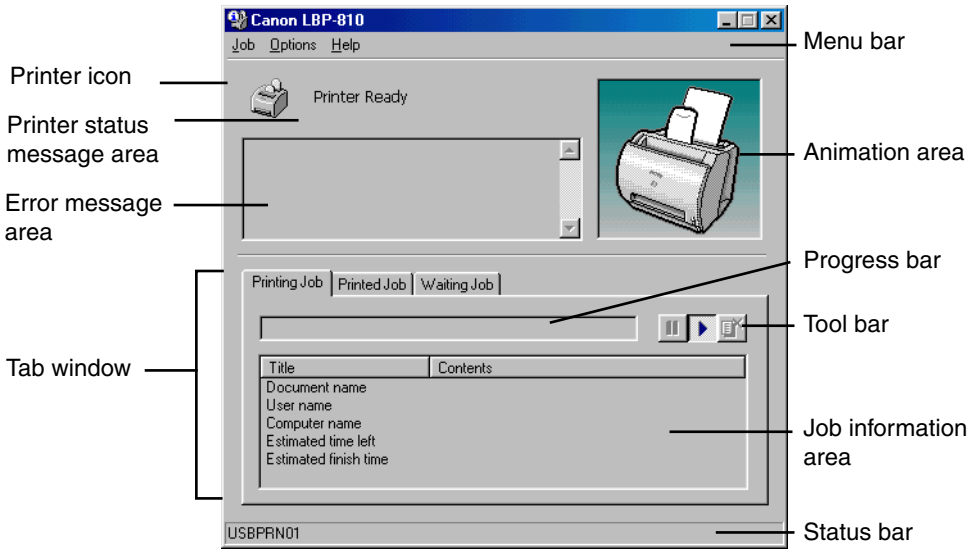
- ❏ When you print a document, provided "Display Printer Status Window while Printing" is selected in the Status Options dialog box of the Status Window.
- ❏ When an error occurs or user action is required.
- ❏ When Windows starts, if the Status Window was open the last time Windows was closed.

You can also open the Status Window by clicking on the Status Window icon in the Windows taskbar and selecting the LBP-810.

If multiple LBP-810 printers are connected, select a printer from the list. The Status Window opens and displays information for the selected printer.

Using the LBP-810 Status Window

The Status Window is a program used to display the status of jobs and perform printer operations.



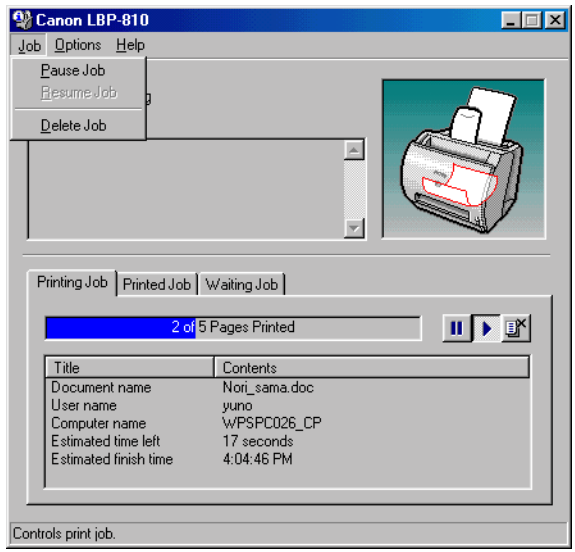
Window area	Description
Menu bar	Contains menu options to control the Status Window and the printer.
Printer icon	Displays the current printing status and error conditions.
Printer status message area	Displays the current status of the printer.
Error message area	Gives a description of situations requiring action.

Window area	Description
Animation area	Shows an animated graphic indicating the current printer status. The animated graphic tracks the printing progress as paper feeds into the paper slot until it comes out of the printer. The graphic background changes from blue (normal) to orange when user action is required, or to red when a warning is issued.
Progress bar	Indicates the progress of the current job.
Tool bar	Use to pause, delete, or resume printing.
Job information area	Displays information related to print jobs. The type of information displayed changes with the selected tab.
Status bar	Displays the name of the printer port and describes menu options as you move your mouse over them.

Using the Menu Bar

Job Menu

You can select the **Job** menu from the menu bar of the LBP-810 Status Window:

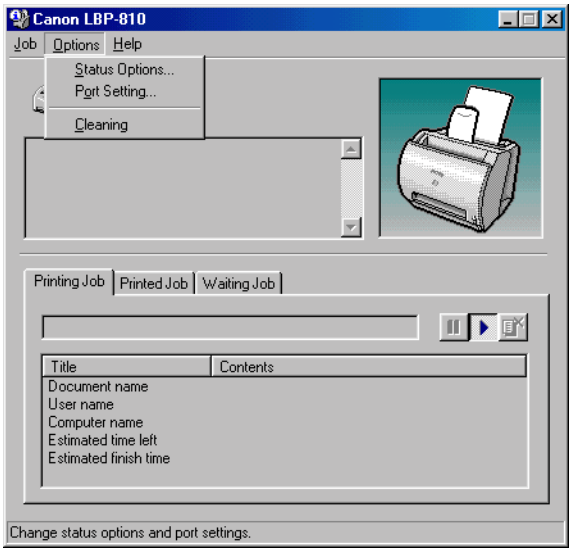


The **Job** menu includes the following options:

- **Pause Job**—This temporarily halts printing of the current document. After the current page completes printing, the printer pauses until you select Resume Job.
- **Resume Job**—This resumes printing with the next page of the document you paused.
- **Delete Job**—This cancels printing of the document currently being printed.

Options Menu

You can select the **Options** menu from the menu bar of the LBP-810 Status Window:

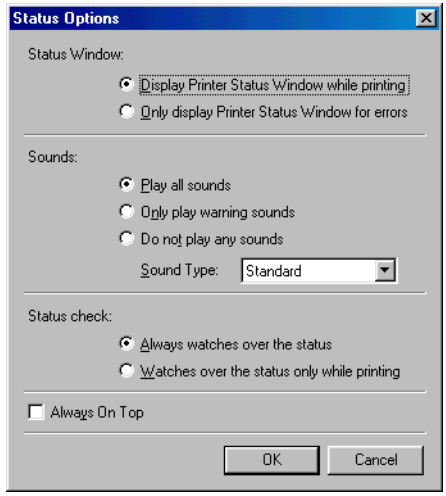


The **Options** menu includes the following selections:

- **Status Options**—This opens the Status Options dialog box that lets you change the settings for the Status Window.
- **Port Setting**—This opens the Port Setting dialog box when the printer is connected to a local parallel port. This setting is unavailable if the printer is not connected to a local parallel port, or while printing is in progress.
- **Cleaning**—This setting allows you to print pages that clean the printer's rollers. This setting is not available while printing is in progress or when there are errors.

Status Options

This dialog box lets you define when and how you want the LBP-810 Status Window to display. You can also set up sounds that play when there are errors.



❑ **Status Window**—lets you select when the Status Window displays.

- **Display Printer Status Window while printing**—The Status Window opens automatically each time you print.
- **Only display Printer Status Window for errors**—The Status Window opens only when an error occurs.

To manually open the Status Window, click the Status Window icon in the Windows taskbar, and then click the Canon LBP-810.

You can change display options even as a document prints, but the changed settings do not take effect until the next print job.

❑ **Sounds**—lets you select when sounds do or do not play.

- **Play all sounds**—A sound plays whenever there is printer activity.
- **Only play warning sounds** —A sound plays only when there is a printer error.
- **Do not play any sounds**—Sounds do not play.
- **Sound Type**—Determines which sound files to play.

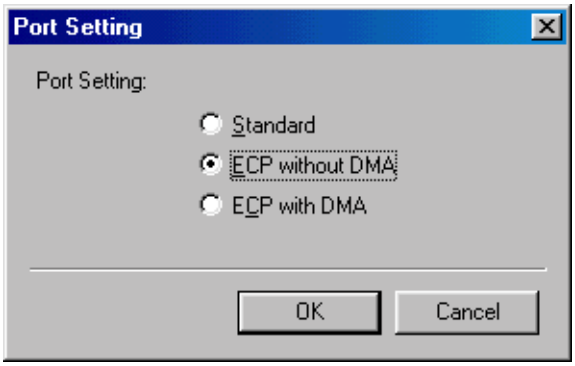
❑ **Status check**—lets you select when the Status Window is active.

- **Always watches over the status**—Status Window is continually monitoring the printer.
- **Watches over the status only while printing**—Status Window is monitoring the printer only when printing a job.

❑ **Always On Top**—places the Status Window on top of all windows on the desktop.

Port Settings

This dialog box lets you define how your computer communicates with your printer using the parallel port. The type of port you have depends on your computer.



❑ **Standard**—uses the parallel port as a standard parallel port.

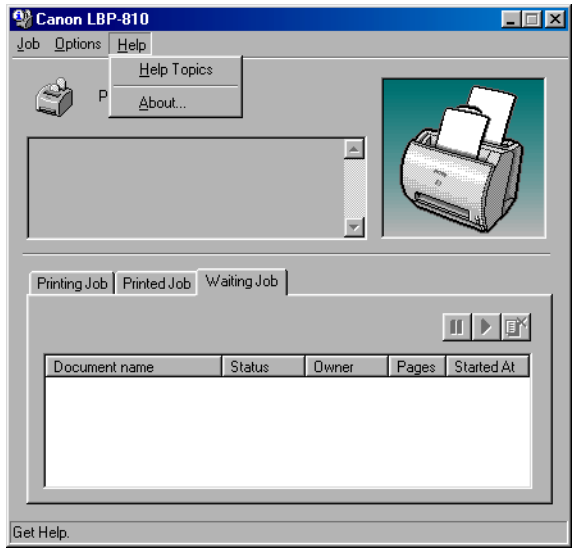
❑ **ECP without DMA**—uses the parallel port as an ECP parallel port that does not use Direct Memory Access (DMA).

❑ **ECP with DMA**—uses the parallel port as an ECP parallel port that uses DMA.

Before you make any changes, check the manual that came with your computer to determine what type of port you have.

Using the Help Menu

You can select the **Help** menu from the menu bar of the LBP-810 Status Window:



- **Help Topics**—Displays the search window for help topics.
- **About**—Displays Status Window version information.

Using the Toolbar

The toolbar has three buttons that you can use to pause, resume, or delete the current print job.

Pause Job: Temporarily halts printing the current document. The current page finishes printing.

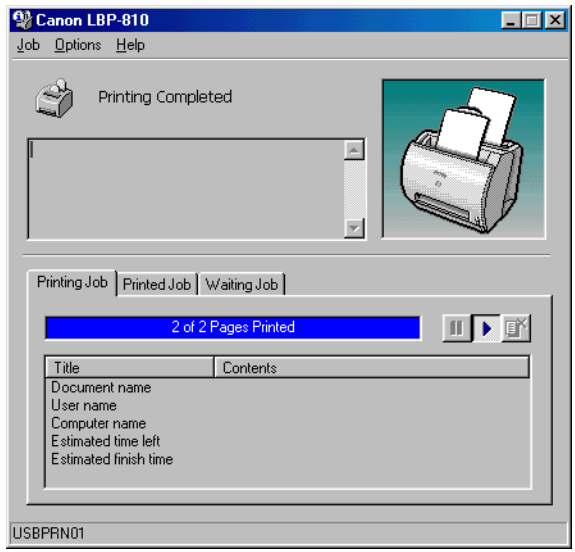
Resume Job: Continues printing after a pause. Printing restarts with the next page of the document you paused.

Delete Job: Cancels the current print job. If you are printing several documents, the CAPT continues to the next print job in the queue and displays the status of that print job. To cancel all print jobs in the queue simultaneously, choose Settings from the Start menu, then select the Printers folder; Double-click the Canon LBP-810 icon to display the Canon LBP-810 dialog box. Select all of the jobs and delete them.

When the Printed Job tab is selected, none of the buttons are displayed.

Using the Tab Window

Printing Job

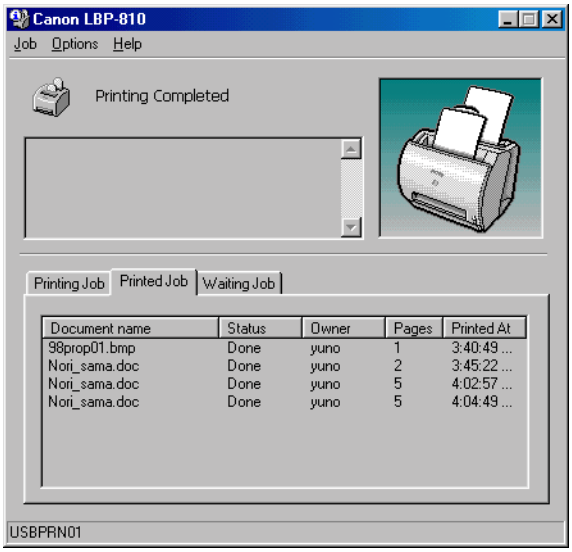


This tab shows information related to the job that is currently printing. The following types of information are displayed:

- ❏ Document name
- ❏ User name
- ❏ Computer name
- ❏ Estimated time left
- ❏ Estimated finish time

Some of this information may not be displayed, depending on the printer status.

Printed Jobs

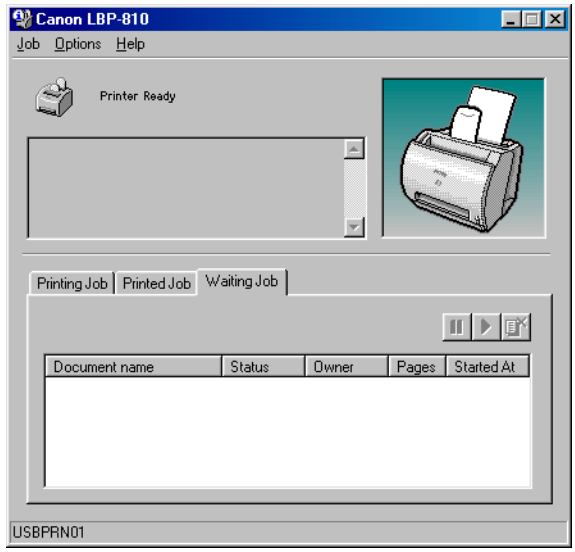


This tab shows information related to jobs that are completed. The following types of information are displayed:

- ❏ Document name
- ❏ Status
- ❏ Owner
- ❏ Pages
- ❏ Printed At

The job history displayed in the job information area can list a history of up to 100 jobs, beginning from the time the Status Window was started. The job history clears whenever you terminate the Status Window.

Waiting Jobs



This tab shows information related to the jobs that have not yet started.

- ❏ Document name
- ❏ Status
- ❏ Owner
- ❏ Pages
- ❏ Started At

Network Printer Status

Viewing the print status

The status of a network printer can be viewed on the print server as well as the client.

For job status to be displayed in the client's Status Window, the print server's Status Window must be running.

If the status option "Display Printer Status Window while printing," has been selected on the client, the client's Status Window opens automatically once printing from the server starts.

If an error occurs on the server, the client's Status Window for that job opens automatically.

If the client's Status Window opens automatically, it closes automatically when printing completes or the error is canceled, unless the user interacted with the window or its menus.

Performing print job operations

Print job operations (pause, resume, delete) may be performed from either the print server or the client for that job. After a client performs a print operation, no other operations are allowed until the server confirms that the operation has been accepted.

In Windows 95/98/Me, print job operations cannot be selected on any other screen except the print server or client for that job. In Windows NT 4.0/2000 any authorized user can perform print job operations.

If the print server's Status Window is not running, you cannot perform job operations on the client. The client's Status Window displays the message "Check Print Server."

Audio messages for jobs play on the client and on the print server.

The Status Window Icon

If you minimize the Status Window, you can still see the printer status displayed as an icon on the taskbar. To open the Status Window, simply click on the taskbar button. Icons also appear in the Status Window. The table below shows the Status Window icon and the taskbar icon.

Printer Ready

Indicates that the printer is ready to print.

Printing Paused

Indicates that printing has paused.

Attention Required

When the Status Window displays an alert, the window automatically opens to its full size. You can minimize the window again, but you will not be able to resume printing until you take the action specified in the full-size window.

Warning

An error has occurred and the printer may require service. You may have to contact an authorized service representative.

Abnormal Condition

Something is wrong with the printer or one of its connections. You will not be able to print until the problem is fixed.

Closing the Status Window

Click the close button to close the window just as you would close any other window.

If the Status Window opens automatically due to printing, or due to an error, the window automatically closes when printing completes or the error status clears.

Messages

The CAPT gives you information about your print job and the printer itself.

When a paper size is listed in the message area, such as “Change paper to Letter,” use the following table to determine which size paper to use.

Message	Use this Paper Size
Letter	Letter (8-1/2 x 11 in.)
Legal	Legal (8-1/2 x 14 in.)
A4	A4 (210 x 297 mm)
Executive	Executive(7-1/4 x 10-1/2 in.)
B5	B5 (182 x 257 mm)
Env: #10	#10 Envelope (4-1/8 x 9-1/2 in.)
Env: Monarch	Monarch Envelope (3-7/8 x 7-1/2 in.)
Env: DL	DL Envelope (110 x 220 mm)
Env: C5	C5 Envelope (6.4 x 9 in.)
Card: Index	Index Card (3 x 5 in.)
User defined	Custom form: You defined the name.
Current	Unknown
Paper	Any

Messages with Sound

The CAPT comes with sound files that provide spoken versions of messages you might get while a document is printing. If you installed the sound files and have bi-directional communication and a sound card, the CAPT can play these sound messages.

Use the Status Options dialog box in the Options menu to turn sounds on or off.

There are two types of audio messages: alert messages and other messages. Refer to the following tables, which list the spoken messages, the event that triggers each, and the message's filename.

Information messages

Spoken message	Event	Filename
Printing complete	Last page finished	zdone.wav
Printing paused	Pause button pressed	zpaused.wav
Printing resumed	Printing resumed	zresume.wav
Printing started	Printing started	zstarted.wav
Printing stopped	Delete button pressed	zstopped.wav

Alert messages

Spoken message	Event	Filename
Add paper to printer	Out of paper	zaddpap.wav
Paper jam	Paper is jammed	zjam.wav
Close printer cover	Printer cover is open	zcover.wav
Printer not responding	Printer not responding	zcommerr.wav
Printer error	Printer error	zerror.wav
Change paper	Wrong sized paper is loaded	ztray.wav
Check print server	Print server down	zsecomer.wav
Insufficient memory	Insufficient working memory	znomem.wav
Cleaning	Cleaning in progress	zclean.wav
Check toner cartridge	No cartridge	zsetcart.wav
Printer busy	Printer is processing another job	zprtbusy.wav
Port busy	Selected printer port is being used by another device	zpotbusy.wav
Printing failed	Printing could not complete	zprtfail.wav

Chapter 4
Troubleshooting

This chapter includes information to help you solve printer problems. A problem might have one or a combination of causes, including a computer malfunction, software errors, the printer cable, or the printer. Many printing problems are related to how your software interacts with the printer.

If you can print a self test, but the printer does not print other jobs, or your printed output is not what you expected, the problem is with your computer, software, or cables.

If your printer is not operating properly, try the suggestions in this chapter in the order listed.

Finding Information

Problem	See page
Paper Jams	105
Locating Paper Jams	105
Removing Paper Jams	110
Print Quality Problems	119
Printout Has Vertical White Streaks	119
Printout Has Black Specks	120
Printout Too Light	120
Printout Too Dark	120
Printer Problems	121
CAPT Problems	124
CAPT Messages	127
Using the Trouble Shooter	129
Uninstalling the CAPT	131

If you have a problem with your printer and you cannot resolve it by referring to the information in this chapter, contact a Canon authorized service representative.

Before contacting Canon, make sure you have the following information:

- ❑ Product name (LBP-810)
- ❑ Serial number (located on the label on the bottom of the printer)
- ❑ Place of purchase
- ❑ Nature of the problem
- ❑ Steps you took to resolve the problem and their results

Paper Jams

Locating Paper Jams

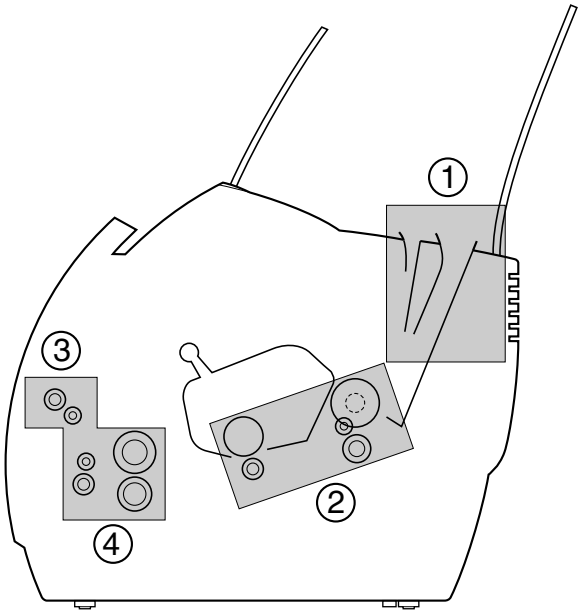
Paper jams can occur in several locations along the print path. Refer to the diagram below to help you locate paper jams. Locate the area where the paper jam has occurred and follow the instructions for removing jams in that area. Be sure to check all areas before resuming printing.

①Paper feed area

②Imaging area

③Face-down delivery area

④Face-up delivery area

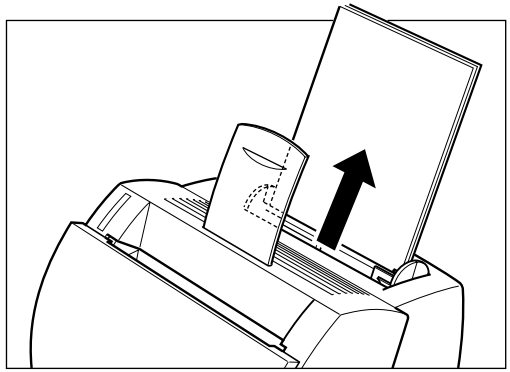


Before Removing Paper Jams Inside the Printer

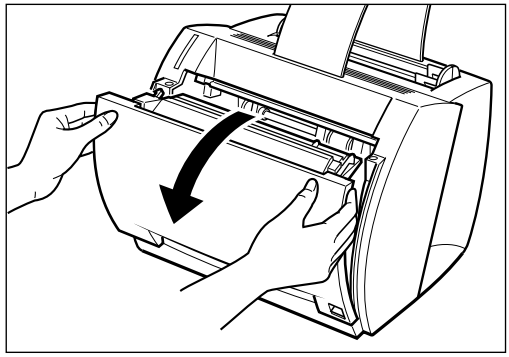
When a paper jam occurs, follow the procedure below before removing the jammed paper from the affected area.

Remove watches and any bracelets or rings when touching the inside of the printer. These items might be damaged if they come into contact with parts inside the printer.

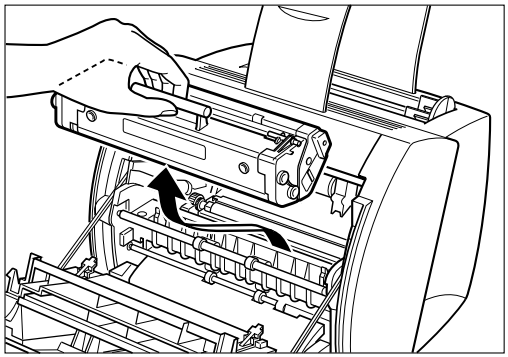
1. Remove the paper from the MP tray.



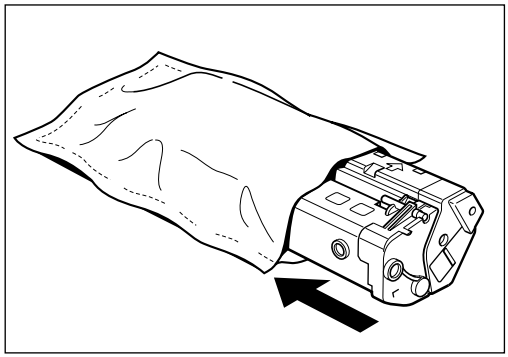
2. Open the front cover with both hands until it stops.



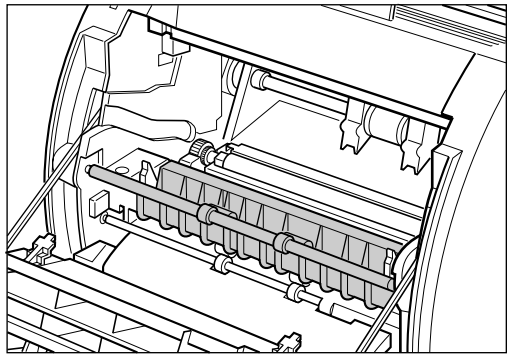
3. Remove the EP-22 cartridge by grasping the cartridge's handle and lifting it out of the printer.



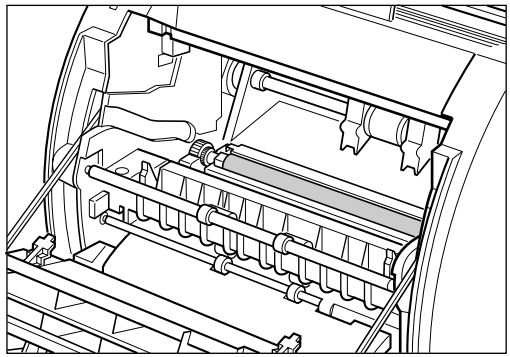
Do not expose the cartridge to light for more than 5 minutes. If necessary, put the cartridge in its original protective bag or wrap it with a thick cloth to prevent exposure to light.



CAUTION:
The face-up delivery area (shaded part) becomes hot when the printer is in use. Be careful not to touch this area, because personal injury might result.

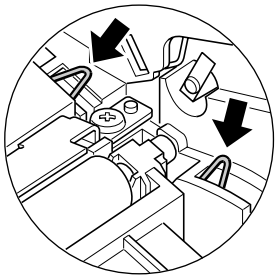


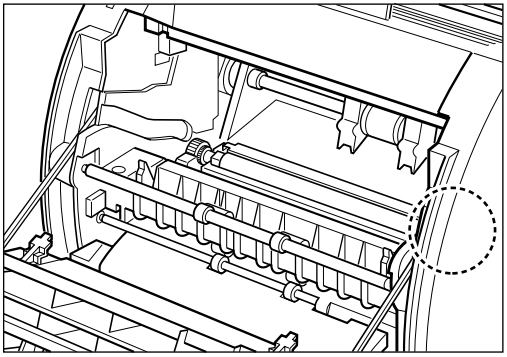
When removing the jammed paper, do not touch the transfer roller (shaded part) as its surface is very delicate and susceptible to finger oil and scratches, which may lead to print deterioration.



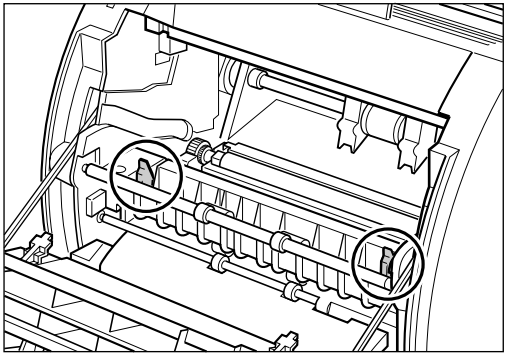
Be careful when removing the paper; toner on the paper might get onto your hands or clothing. If this happens, wash it off immediately with *cold* running water.

To avoid possible damage to the printer, do not touch the pins near the right end of the transfer roller.



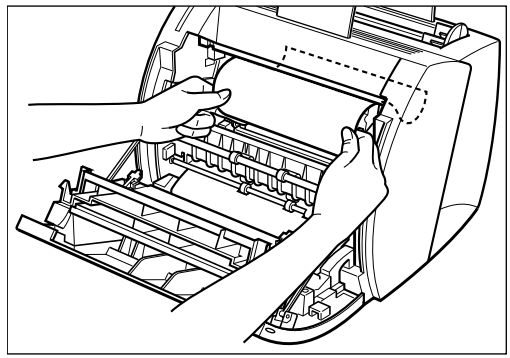


To avoid damaging the printer, check that the pressure release levers (black) were released when the front cover was opened. If the pressure release levers were not released, close the front cover and then open it again. This should automatically release the pressure release levers. If the levers were not released automatically, release them manually by pulling the levers at either end of the pressure bar slightly forwards with your fingers, so they release the bar.



Removing Paper Jams

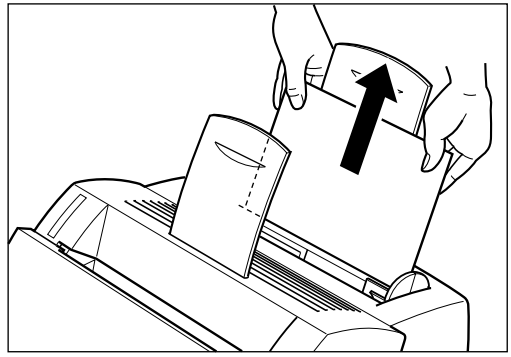
Please use both hands to remove jammed paper from the printer.



Paper Jam in the Paper Feed Area

If only a small portion of the paper has moved into the printer

Use both hands to carefully pull the jammed paper straight up and out from the MP tray.

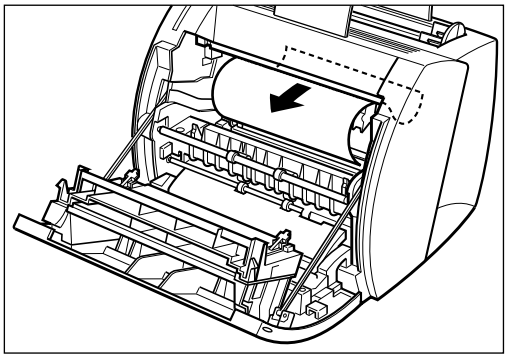


Be careful not to tear the paper when pulling. If the paper is torn, remove the paper scraps from the printer.

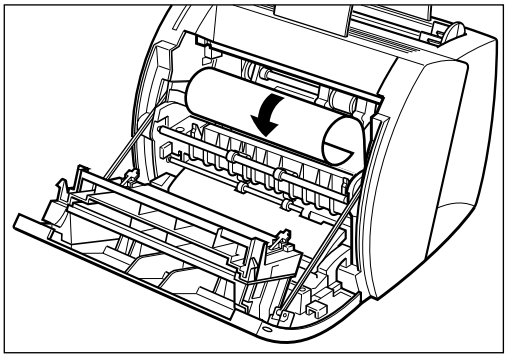
If the paper has moved completely into the printer

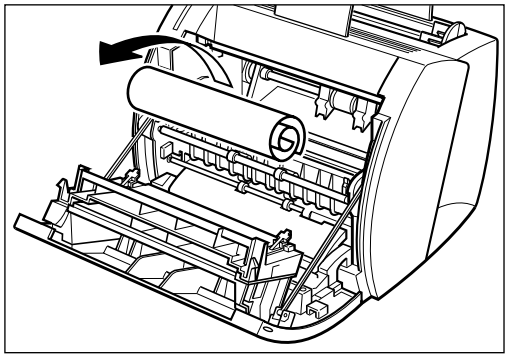
Follow the steps described in "Before Removing Paper Jams Inside the Printer" on page 106 to remove the toner cartridge, then follow the procedure below.

1. Remove any paper from the input area by gently pulling it forward.

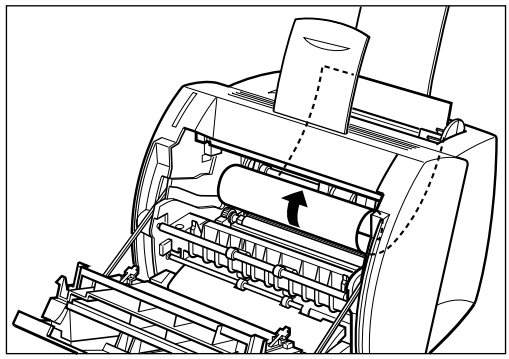


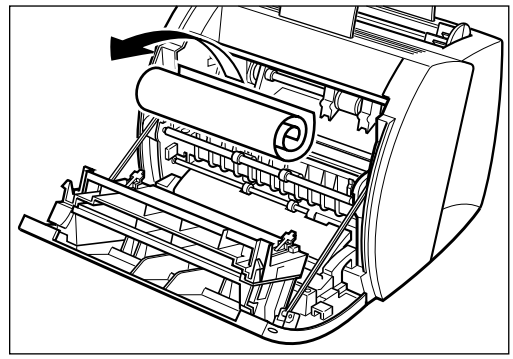
2. Roll the edge of the paper inwards so that the printed surface is on the inside of the roll, then gently pull the rolled up paper out of the printer.



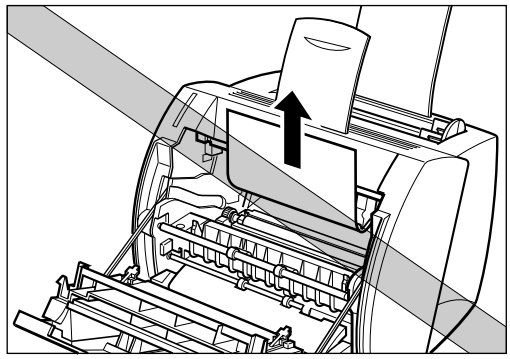


3. If the leading edge of the paper is visible but has not entered the imaging area, pull the paper forwards and roll it inwards. Do not pull the paper upwards from the paper input slot, as this may damage the printer. Gently pull the paper out of the printer.





Do not remove jammed paper at a sharp upwards angle; the toner on the paper will stain the printer and cause a permanent reduction in print quality.



Replace the cartridge and close the front cover. The paper release levers automatically return to their original positions.

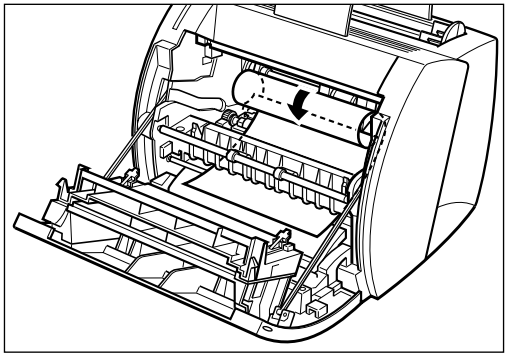
Paper Jams near the Imaging Area

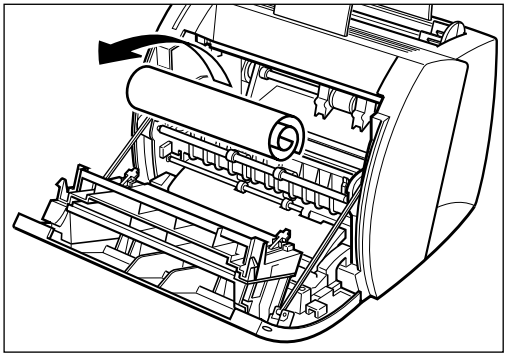
Please use both hands to remove jammed paper from the printer.

Follow the steps described in "Before Removing Paper Jams Inside the Printer" on page 106 to remove the toner cartridge, then follow the procedure below.

If you can see the rear edge of the paper

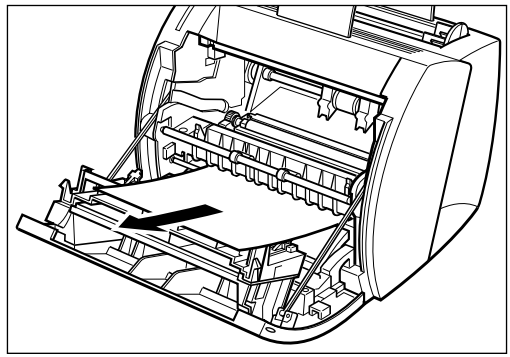
Roll the paper inwards from the rear edge, so that the printed surface is on the inside of the roll and the paper is pulled back out from the imaging area. Then gently pull the rolled paper out of the printer.





If you cannot see the rear edge of the paper

Carefully pull the jammed paper forwards and out of the printer.

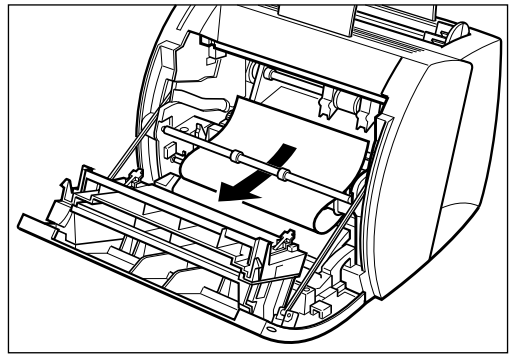


Paper Jam in the Face-down Delivery Area

Please use both hands to remove jammed paper from the printer.

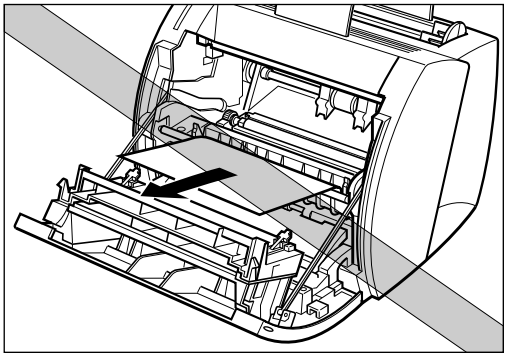
Follow the steps described in "Before Removing Paper Jams Inside the Printer" on page 106 to remove the toner cartridge, then follow the procedure below.

1. Gently pull the jammed paper between the face-down delivery rollers until the leading edge emerges from the printer.



2. Carefully pull the jammed paper through the rollers and out of the printer.

Never pull the paper out of the printer by pulling it forwards if the paper is behind the face-down delivery rollers. This could result in damage to the face-down delivery rollers.



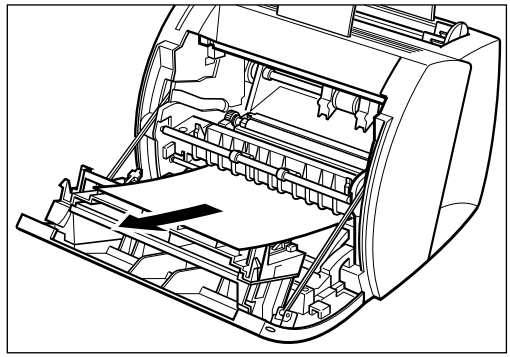
Paper Jam in the Face-up Delivery Area

Please use both hands to remove jammed paper from the printer.

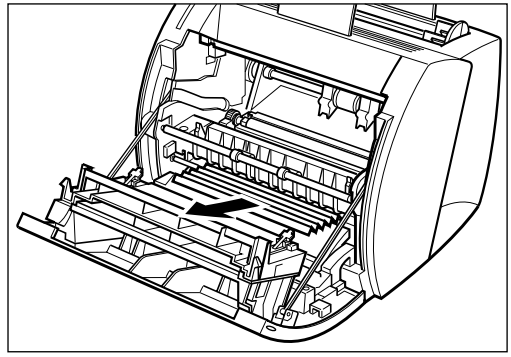
Follow the steps described in "Before Removing Paper Jams Inside the Printer" on page 106 to remove the toner cartridge, then follow the procedure below.

If you can see the front edge of the paper

While holding the printer steady, carefully pull the jammed paper out straight and horizontally.



If the jammed paper is badly folded, similar to the folds of an accordion, ease the jammed paper loose and then pull it out of the printer.

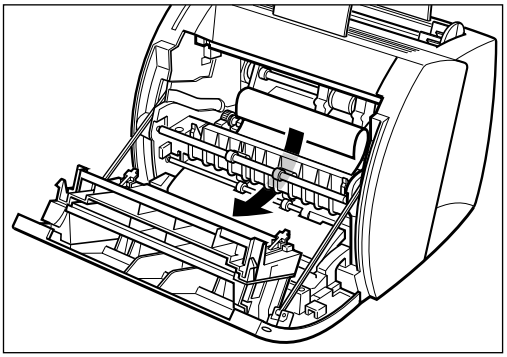


If you cannot see the front edge of the paper

If the paper becomes wrapped around the roller inside the fixing assembly, neither the leading edge or the trailing edge of the paper may be easily accessible. If this occurs, follow the procedure below to remove the paper.

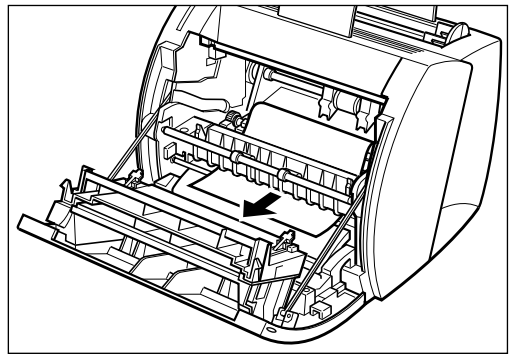
If the paper does not come out of the printer easily, check that the pressure release levers (black) have been released as described on page 109.

1. Gently bend the paper backwards and feed the paper back through the paper transport slit at the back of the fixing assembly.



Be careful when handling the paper behind the fixing assembly. The toner is not fixed to the paper and can easily dislodge. If toner gets on your hands, wash it off with *cold* running water.

2. Gently pull the paper through the rollers.

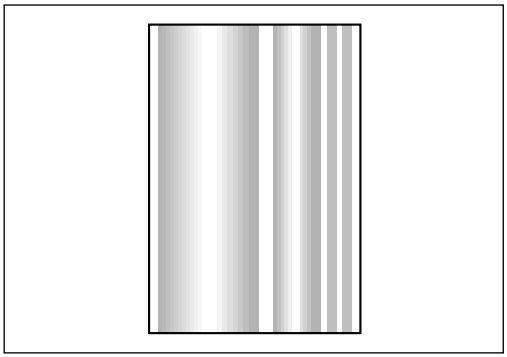


- ❏ After you replace the cartridge and close the front cover, the printer should be ready for printing. If the printer returns to the ready state for printing, troubleshooting has been successful. If the printer does not return to the ready state for printing, paper may still be jammed in the printer.
- ❏ While removing the jammed paper, some toner might stain the inside of the printer which will make the first few printouts dirty when printing resumes.

Print Quality Problems

Printout Has Vertical White Streaks

Vertical white streaks, similar to the sample below, result when toner is low or unevenly distributed.



Corrective action

1. Open the front cover and take out the EP-22 cartridge.
2. Rock the cartridge gently from side to side five or six times to evenly distribute the toner inside. (For more information, see "Installing the EP-22 Cartridge" in the *Getting Started Guide*.)
3. Insert the cartridge into the printer.
4. Close the front cover and try to print again.

If the problem persists, the cartridge has probably expired. Replace it with a new one, using the steps described in "Installing the EP-22 Cartridge" in the *Getting Started Guide*.

When purchasing a replacement cartridge, make sure you get the right one for this printer: a Canon EP-22 cartridge.

The EP-22 cartridge typically lasts for about 2,500 prints of Letter- or A4-size paper, assuming the printer is used for standard word processing documents printed at the default density, and at 4% dot ratio (equivalent to print coverage of approximately 5%). The actual cartridge life depends on the average page coverage of your printed documents.

Printout Has Black Specks

If toner powder adheres to the pressure roller, black specks 1 mm in diameter or larger might appear on the front or back of the printed paper.

Corrective action

1. Use the Options menu in the Status Window to print the cleaning page on a blank sheet of paper.
2. If there are no black specks on the cleaning page, the pressure roller is clean.
3. If there are black specks on the cleaning page, repeat step 1 until there are no black specks on the cleaning page. You may repeat this procedure several times with no adverse effect on the printer.

Printout Too Light

This occurs with high-volume printing in a hot environment.

Corrective action

1. Increase the printing density.
2. If this has no effect, replace the EP-22 cartridge.

Printout Too Dark

If there is a strong light source near the printer, the prints may be too dark.

Corrective action

1. Check whether the density adjustment is correct. If not, adjust the density.
2. Check whether there is a strong light source near the printer. If there is, move the printer or the light source.

Printer Problems

Problem	Cause	Solution
Printer does not print	Paper might not be loaded.	Make sure paper is loaded.
	Print jobs might be stalled.	Check the LBP-810 Status Window for stalled jobs.
	The cartridge might not be installed correctly.	Check that the EP-22 cartridge is installed correctly. See the *Getting Started Guide*.
	Your BIOS port setting might need to be modified.	See your computer's documentation concerning available ports.
	The parallel cable might not be compatible.	Make sure you are using an 8-bit, Centronics-compatible, parallel interface cable with bi-directional capability.
	Your computer might not be working properly.	Check your computer, make sure it is turned on and working properly.
	Your software might be sending the wrong codes.	Check the software you are using; it might have sent a stop code or similar command to the printer. Make sure the correct printer is selected in the Printers folder.
No power is supplied	Power cord might not be plugged in.	Make sure the power cord is securely plugged in to both the printer and the AC outlet.
	AC outlet might not be supplying power.	Make sure the AC outlet is supplying power; try another outlet if necessary.

Problem	Cause	Solution
	AC voltage might not match printer.	Make sure the voltage of the AC outlet matches the ratings on the printer.
Printer stops printing	Your interface cable might be loose.	Check your computer and your cable.
	You might be working on an application in the foreground, in which case printing performance might slow down.	Printer performance improves if you give your print job priority.
Printout is wrong	There might be a communications problem between the printer and your computer.	Make sure your cable connections are secure. Make sure your interface cable is less than 6.6 feet (2.0 m) long. Make sure you are not using a switch box. Check that you have selected the correct printer driver in Windows.
	The wrong printer is selected in the Printers folder.	Make sure the LBP-810 is selected in the Printers folder.
	You might need to modify your BIOS setup.	See your computer's documentation for details. Try changing the parallel port mode or the parallel port address to see if this solves the problem.

Problem	Cause	Solution
Printer locks up system	Your system setup might be a problem.	Verify that you have a high-quality shielded interface cable. The problem might be your BIOS. Verify that your BIOS setup is correct. (See your computer's documentation for details.) Verify that your physical memory is working correctly. If you have a Toshiba laptop, change this line in your CONFIG.SYS file: c:\winutils\mxtime.exe to: REM c:\winutils\mxtime.exe
Computer indicates a device time-out	Your computer is sending data to the printer but the printer is not responding. The printer might be off, offline, or not connected to the computer.	Make sure the printer is not paused. Check that the printer's interface cable is securely connected to both the printer and the computer. Make sure paper is properly loaded in the paper tray. Reset the printer and computer. Try the print operation again. Try a different cable.

CAPT Problems

Problem	Cause	Solution
CAPT is not working properly	The CAPT for LBP-810 is not selected as the default printer driver.	Specify the CAPT for the LBP-810 as the default driver.
	The software might not be installed properly.	Refer to "Using the Trouble Shooter" on page 129. To check that the CAPT is installed correctly, try printing a page from an application. If the print fails, the CAPT is not installed correctly. Remove the CAPT and install it again. For more information, see "Uninstalling the CAPT" on page 131.
Cannot use Adobe Type Manager (ATM) fonts	You might be using the wrong version of Adobe Type Manager.	You must be using Adobe Type Manager (ATM) version 2.51 or later.
Cannot print with a printer driver other than the LBP-810	The printer driver is connected to the same port as the LBP-810 printer driver.	Connect the printer driver to a different port from the LBP-810 printer driver.

Problem	Cause	Solution
CD-ROM Menu doesn't appear automatically	Autorun CD-ROM Menu checkbox is unchecked in the CD-ROM menu.	Start the CD-ROM menu manually, and check the "Autorun CD-ROM Menu" checkbox.
	The Auto insert notification checkbox is unchecked.	From the Device Manager make sure that the "Auto insert notification" checkbox is checked in the CD-ROM drive Properties dialog box. For more information, see Windows Help.
"File not found on CD-ROM" error when starting the CD-ROM Menu.	The program is loaded from the hard disk drive.	Remove the CDMENU.EXE file from your hard disk drive and restart the CD-ROM Menu program from the compact disc labeled "User Software".

Problem	Cause	Solution
Cannot install CAPT using USB port. (Windows 98/Me/2000)	USB class driver is not properly installed.	Perform the following steps. 1) Make sure the printer is connected to your computer using a USB cable and the printer is turned on. 2) Open the **System** dialog box in the Control Panel. 3) Select **[Device Manager]** tab and double click **[Universal Serial Bus Controller]**. For Windows 2000, select **[Hardware]** tab and click **[Device Manager]** button. 4) Delete ONLY the following USB class drivers under **[Universal Serial Bus Controller]**; For Windows 98, select **[Canon LBP-810]**, For Windows Me, **[Canon CAPT USB Printer]**, and click **[Delete]** button. For Windows 2000, select **[USB Printing Support]** or **[Canon CAPT USB Printer]**, and uninstall from the **[Active]** menu. In the case that the USB class driver is displayed under **[Other device]**, delete ONLY the following; For Windows 98, select **[Canon LBP-810]**, For Windows Me, **[Canon CAPT USB Printer]**, and click **[Delete]** button. For Windows 2000, select **[Unknown]** and uninstall from the **[Active]** menu. 5) Close the Control Panel and unplug the USB cable. 6) Restart Windows 98/Me/2000.

Never delete other devices or device drivers. Windows may not operate properly.

CAPT Messages

The CAPT displays the status of your printing environment and current print job in the Status Window.

Alerts

Alerts identify problems that must be corrected before printing can continue. Sometimes messages remind you to do something, such as clear jammed paper. Other times, alerts tell you what is wrong and how to fix it.

Message	Action
Add Paper	The printer is out of paper. Add paper. When you add paper, the Status Window displays "**Printer Ready**" automatically.
Change paper to...	The paper in the printer and the specified paper are not the same size. You have two choices: ❏ Replace the paper so that it matches the specified paper size. ❏ Use the **Resume Job** menu option in the LBP-810 Status Window to start printing on the paper in the printer.
Check Printer/Cable	Your computer and printer are not communicating. This happens if the printer power shuts off, the cable is disconnected, or the cable is not bi-directional.
Check Toner Cartridge	There is no toner cartridge in the printer. Install a toner cartridge. For more information, see the *Getting Started Guide*.
Clear Paper Jam	Paper has jammed in the printer while printing. Follow the instructions in the Printer Status Window, or see "*Clearing Paper Jams*" earlier in this chapter. Printing resumes automatically when the paper jam is fixed.
Clear Paper Jam	The printer cover was left open or the toner cartridge was not properly replaced after clearing a paper jam. Close the cover securely.

Message	Action
Close Printer Cover	The printer's front cover is open. To resume printing, close the cover.
Insufficient Memory	The print job was too complex for available memory. Discard the last printed page, and try one or more of the following: ❏ Close other applications while printing this job. ❏ Print the job in smaller sections. ❏ Try reprinting the job with a lower resolution, such as 300 dpi. ❏ Reformat the most complicated pages in the print job to reduce graphics and other complex formatting.
Network Adapter Error	The network adapter or printer power is not on, or the printer is not connected.
Port Busy	The printer port is being used by other equipment.
Printing Failed	There is a connection problem. For example, the printer cable has been disconnected or the port connection destination has been changed during printing.
Service Error	The Canon Advanced Printing Technology has detected an internal problem in the LBP-810 engine. 1 Turn off and unplug the printer. 2 Open the front cover and remove the EP-22 cartridge. 3 Reinsert the cartridge properly. Use both hands to close the front cover completely. 4 Plug in and turn on your printer. 5 If the error persists, contact your Canon authorized service representative.

Using the Trouble Shooter

The Trouble Shooter is a utility for solving printing problems in Windows 95/98/Me or NT 4.0/2000. The Trouble Shooter checks for system configuration setting errors, and if possible, makes automatic corrections.

The Trouble Shooter does not detect problems related to hardware, such as printer cable problems, parallel port failure, or ECP setting errors.

To start the Trouble Shooter, select the Canon LBP-810 Trouble Shooter icon in the Canon CAPT Tools group. The Trouble Shooter checks the following and corrects any problems:

- ❏ Free disk space in the drive containing the \Windows directory and free memory
- ❏ Installed files
- ❏ Selected printer port (checks to see if usable)
- ❏ Registries
- ❏ RapidPort communication device drivers (Windows NT 4.0/2000)
- ❏ Language monitor
- ❏ Printer drivers
- ❏ Status Window
- ❏ Printer Properties settings
- ❏ Canon CAPT Tools program folder

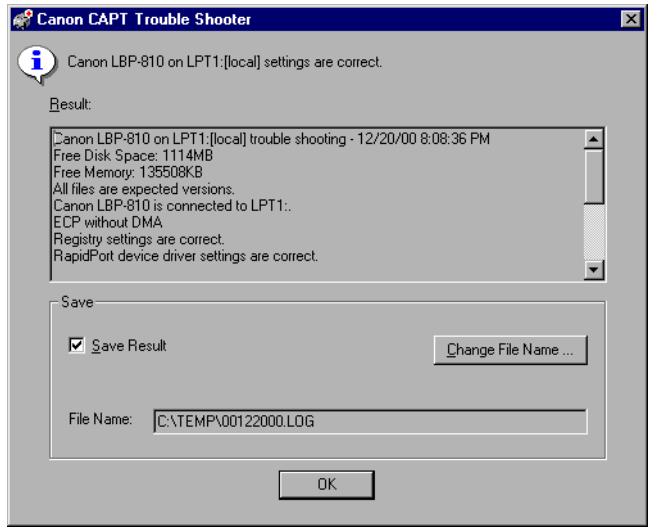
If the Trouble Shooter encounters a problem, it displays an error message. Each message includes several options, such as:

- ❏ How to correct the problem
- ❏ The problem cannot be corrected by the Trouble Shooter
- ❏ Continue troubleshooting
- ❏ Exit Trouble Shooter
- ❏ Display help information

If Trouble Shooter is used on a network printer client, it performs network-related checks.

Windows NT 4.0/2000 Trouble Shooter checks whether Spooler service has started and if not, displays a dialog box and does not run.

When Trouble Shooter is done checking your files, it displays a dialog box similar to the one below.



While Trouble Shooter is running, it saves a log file with the name tshooter.tmp in your system temp directory, such as \windows\temp or \temp.

In the Exit dialog box, Trouble Shooter prompts if you want to save the results as a text file. Check the **Save Result** check box and enter the desired filename. The file saves with the extension of.log.

When you click **OK** in the above dialog box, the Windows Restart dialog box appears. You must restart Windows for corrections made by the Trouble Shooter to take effect.

Uninstalling the CAPT

If the CAPT is not working properly, it might help to remove it and install it again. Before you begin, be sure you have the installation software available for installation.

Before uninstalling the CAPT, make sure you close all running applications.

To uninstall:

1. Click the **Start** button, then point to **Programs**.
2. Point to **Canon CAPT Tools**.
3. Click **Canon CAPT Uninstallation**.
4. Follow the on-screen instructions.
5. Windows 95/98/Me: Click **OK** and your system restarts.
   Windows NT 4.0/2000: Click **OK** (recommended) to restart your system.

In Windows NT 4.0/2000, you cannot uninstall the Canon Advanced Printing Technology unless you have administrative privileges.

Chapter 5
Maintenance

This chapter describes how to care for and maintain your printer. Regular care and maintenance helps keep your printer in good working order.

This chapter includes the following information:

- ❏ Handling and Cleaning the Printer
- ❏ EP-22 Cartridge

Handling and Cleaning the Printer

Handling the Printer

Note the following points when handling the printer:

- ❏ Do not place any heavy objects on the printer.
- ❏ Do not insert paper or other objects into the face-down delivery slot.
- ❏ When the printer is printing, do not rock or move the printer, and do not open the front cover. If you do, the printer might be damaged.
- ❏ Do not subject the manual feeding slot area to direct sunlight or other strong light.
- ❏ After unplugging it from the AC outlet, wait until the printer has cooled off completely before covering it with a dust cover.
- ❏ If you are not going to use the printer for an extended period of time, unplug it from the AC outlet.
- ❏ Never attempt to disassemble the printer.

Cleaning the Printer

Clean the printer cabinet regularly to keep the printer in its best condition. To clean the printer, use a soft cloth slightly moistened with water or a mild detergent solution. Avoid using any other type of solvents, such as alcohol or benzine, which might damage the surface. When finished cleaning, wipe the cabinet with a dry cloth.

Before cleaning the printer, always unplug it from the AC outlet.
Do not spill water or detergent into the printer. Otherwise the printer will be damaged and electric shock may even occur.

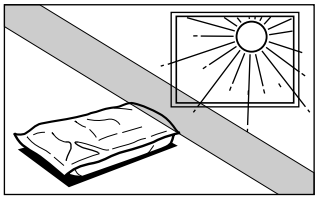
Do not lubricate the printer. This printer does not require lubrication.

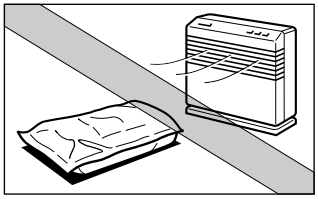
EP-22 Cartridge

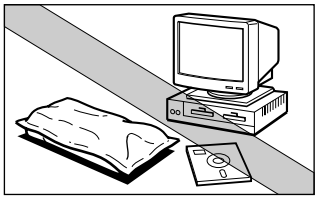
The EP-22 cartridge contains a photosensitive part called a “drum” which has characteristics similar to photo film. It also contains black carbon powder called “toner.” The drum is extremely sensitive to light and might deteriorate if exposed to light. Also, poor print quality can result if toner becomes caked or unevenly distributed inside the cartridge.

Please adhere to the following guidelines when storing or handling the cartridge.

Storage Guidelines

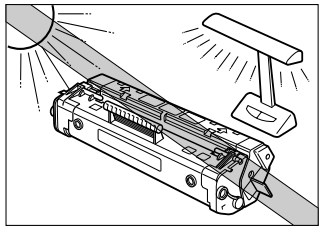


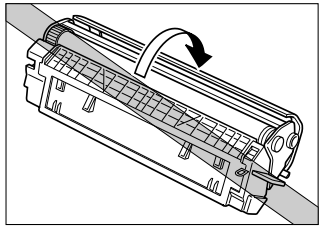


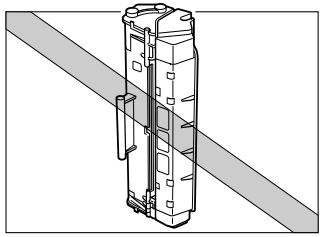


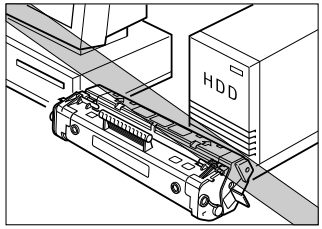
- Store the cartridge in its protective bag. Do not open the bag until you are ready to install the cartridge in the printer.
- Do not store the cartridge where it will be exposed to direct sunlight.
- Do not stand the cartridge on end, and do not turn it upside down. If the toner becomes caked in the cartridge, it may prove impossible to free it even by shaking the cartridge, and print quality can deteriorate.
- Do not store the cartridge at a high temperature or in high humidity, or in places where the temperature or humidity can change abruptly.
- Store the cartridge at temperatures between 0˚C and 35˚C (between 32˚F and 95˚F).
- Do not store the cartridge in salty air or where there are corrosive gases such as those from aerosol sprays.
- Keep the cartridge away from a monitor's cathode ray tube (CRT), disk drives and floppy disks. The magnet in the cartridge can distort the image on the CRT, or damage data on disks.

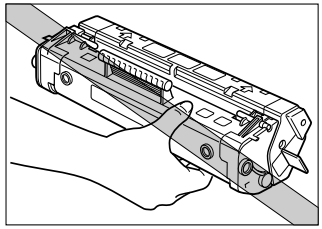
Handling Guidelines



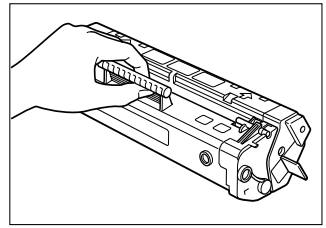








- Do not expose the cartridge to direct sunlight. Do not expose it to bright light or to room light for more than 5 minutes.
- Do not open the drum's protective shutter on the cartridge. If the shutter is open and the drum is damaged, print quality might deteriorate.
- Do not stand the cartridge on end, and do not turn it upside down. If the toner becomes caked in the cartridge, it might prove impossible to free it even by shaking the cartridge, which results in print quality deterioration.
- Keep the cartridge away from a monitor's cathode ray tube (CRT), disk drives and floppy disks. The magnet in the cartridge can distort the image on the CRT, or damage data on disks.
- Do not touch the drum's protective shutter. Avoid holding the cartridge in such a way that your hand is touching the drum's protective shutter.
- When transporting the printer, remove the cartridge from the printer. (Put the cartridge in its original protective bag or wrap it with thick cloth to prevent exposure to light.)



Correct Handling

CAUTION:
Do not dispose of toner cartridges in fire. Toner powder is flammable.

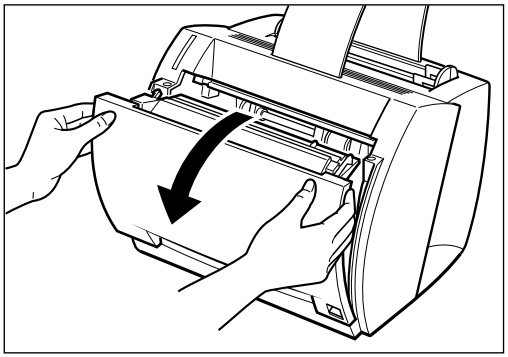
- Do not attempt to disassemble the cartridge.

Replacing the EP-22 Cartridge

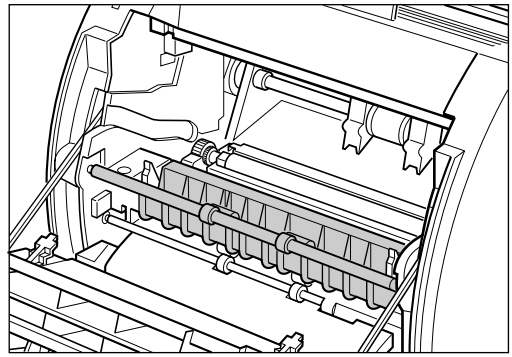
The EP-22 cartridge typically lasts for about 2,500 prints of Letter or A4-size paper. This assumes that the printer is used for standard word processing documents printed at the default density, and at 4% dot ratio (equivalent to print coverage of approximately 5%). The actual cartridge life depends on the average page coverage of your printed documents. If your documents have on average less text with lots of white space, the cartridge lasts longer. However, if you frequently print graphics and text, the cartridge life is shorter.

When a print quality problem cannot be corrected following the steps in chapter 4, "Troubleshooting," it is probably time to replace the cartridge with a new one.

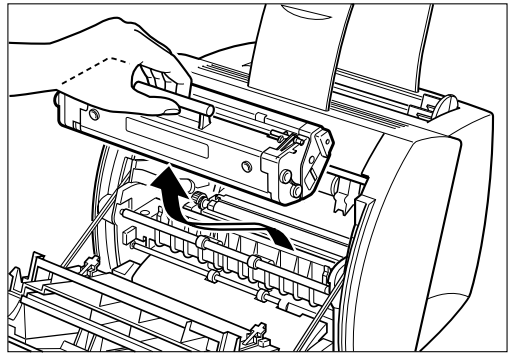
1. Grasp the top of the front cover on both sides, then gently pull the cover until it is fully open.



CAUTION:
The shaded part of the face-up delivery area is hot when the printer is in use. Be careful not to touch this area, because personal injury might result.



2. Grasp the EP-22 cartridge by its handle and lift it out of the printer.



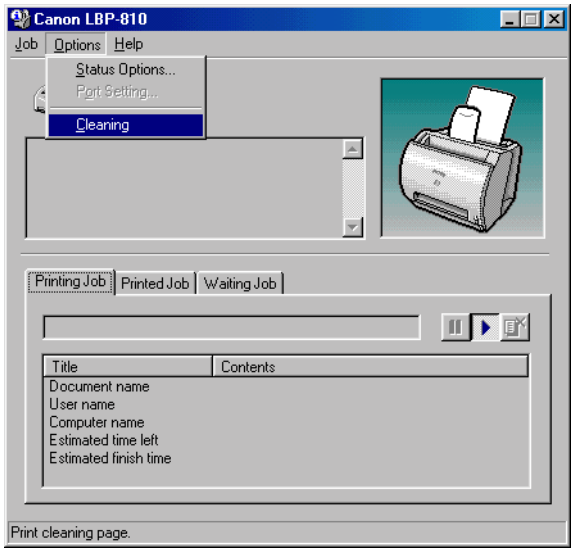
3. Install a new cartridge. For details, see “Installing the EP-22 Cartridge” in the *Getting Started Guide.*

CAUTION:
Do not dispose of toner cartridges in fire. Toner powder is flammable.

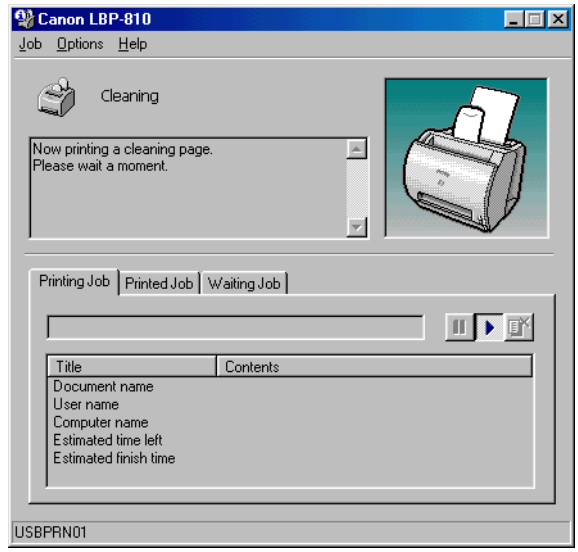
Cleaning

Whenever you replace the EP-22 cartridge and the printing quality is poor, you may need to use the Cleaning function. Follow the instructions below.

1. Place letter or A4-size paper in the MP tray.
2. Click on the printer icon in the taskbar to open the Status Window.
3. From the Options menu, click Cleaning. A cleaning sheet starts printing. When printing starts, the Status Window message area displays "Cleaning" and when printing completes, it returns to normal.



While cleaning is in progress, you cannot pause the printing or change paper settings.


Canon LBP-810
Job Options Help
Cleaning
Now printing a cleaning page.
Please wait a moment.
Printing Job
Printed Job
Waiting Job
Title
Contents
Document name
User name
Computer name
Estimated time left
Estimated finish time
USBPRN01

Appendix A
Printer Specifications

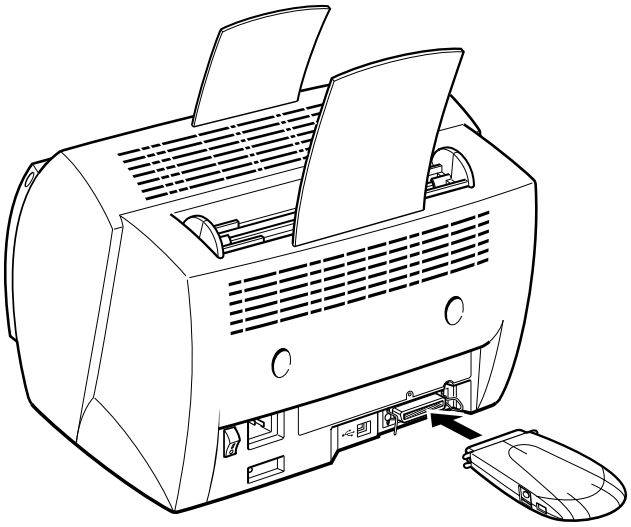
Model:	Desktop page printer
Printing method:	Electrophotographic printing using laser beam scanning
Resolution:	600 dpi
Printing speed:	8 pages per minute (A4-size paper)
Paper sizes:	
MP Tray	76.2x127 to 216x356 mm (3”x5” to 8-1/2”x14”) **Plain paper** (Legal, A4, Letter, Executive, B5) Maximum capacity: 12.5 mm (Approx. 125 sheets of 75 g/m^2 paper) **Special paper** (transparency films, labels, envelopes, postcards, index cards, colored paper) Maximum capacity: 12.5 mm stack height (except envelopes) Envelope capacity: 6 to 10 envelopes
Manual loading	Plain paper, special paper (transparencies, labels, envelopes, postcards, index cards, colored paper) Maximum capacity: 1 sheet
Paper delivery:	Face-down: Maximum capacity: 100 sheets (75 g/m^2 paper) Face-up: 1 sheet (Remove printed sheets one at a time since there is no delivery tray.)
Startup time:	Less than 8 seconds at 20˚ C (68˚ F) (Number of seconds from when the printer is plugged into an AC outlet until it is ready for printing.)

First print:	Face-down delivery: Less than 18 seconds Face-up delivery: Less than 17 seconds For printing on A4-size paper using MP tray at 20˚ C (68˚ F)
Toner cartridge:	EP-22 cartridge
Power requirements:	100-127V (±10%) 50/60Hz (±2Hz) 220-240V (-10%, +6%) 50Hz (±2Hz)
Power consumption:	100-127V During printing: approximately 166 W (Average) During standby: approximately 5.5 W 220-240V During printing: approximately 180 W (Average) During standby: approximately 5 W
Noise level:	Sound Power Level During printing: Max. 6.2 Bels During standby: Background noise level Sound Pressure Level (Bystander positions) During printing: Max. 48 dB (A) During standby: Background noise level Declared Noise Emissions in accordance with ISO 9296
Operating environment:	(Printer plugged into an AC outlet) Temperature: 10˚ C to 32.5˚ C (50˚ F to 90.5˚ F) Humidity: 20 to 80% RH (no condensation)
Storage environment:	(Printer unplugged from the AC outlet) Temperature: 0˚ C to 35˚ C (32˚ F to 95˚ F) Humidity: 10 to 80% RH (no condensation)
Dimensions:	345 x 312 x 266 mm (W x D x H) (13-1/2” x 12” x 10-1/2”)
Weight:	Approx. 6.35 kg (14 lbs.), cartridge excluded Cartridge only: approx. 730 g (1-5/8 lbs.)

Appendix B
Network Adapter

When the optional network adapter is connected to the parallel port of the LBP-810, the printer can connect directly to a network. The network adapter and host have a peer-to-peer connection. The client can also be connected to the network adapter through a print server.

The network adapter for the LBP-810 printer can also connect to other Canon Advanced Printing Technology printer models. It cannot be connected to printers that do not have the Canon Advanced Printing Technology.



Secure the network adapter by snapping the two wire clips (located on the printer) into the network adapter.

Connecting Directly From Clients

Centralized control of print jobs is not available because print queues are distributed among all clients.

When multiple jobs compete, jobs print in the order of arrival at the network adapter.

Jobs may not arrive in the order they were sent. For example, if client 1 enters jobs A and B, and then client 2 enters job C, the print order might be A, C, then B, if job B did not arrive at the network adapter until job A was completed.

You must install the print monitor for the network adapter on each client.

When using the Add Printer wizard, you must connect directly to the network.

Since the printer port is treated as a local port, choose “AXIS CAPT Port” in the port settings dialog box.

Connecting Through A Print Server

Using a print server, you can control print jobs (for example, change printing order, cancel jobs, etc.) centrally.

When multiple jobs compete, they print in the order in which the jobs are entered.

The print monitor for the network adapter needs to be installed only on the printer server. It is not necessary to install it on each of the clients.

You can install the printer from the server unless you are using a Windows 95/98/Me server and a Windows NT 4.0/2000 client.

Protocols

The network print monitor uses NetBEUI to communicate with the printer.

Using NetPilot To Configure Your Network Adapter

1. Install NetPilot and the Print Monitor.
2. Start NetPilot.
3. Select the network adapter from the displayed list.
4. Enter the network adapter settings.

Installing the Network Print Monitor

1. Connect the network adapter to the network.
2. Install the network print monitor. The installation automatically uses an available port. For more information, see the network adapter manual.

When the optional network adapter is connected to your printer, the NetSpot utility can be used. The NetSpot utility provides easy network management of your printers by allowing you to set up the printers and display their printer status and features.

Specifications

Model	External type, connects to printer parallel and USB port
Network interface	Both 10Base-T/100Base-TX
Protocols	NetBEUI, SNMP over IP
Printer interface	Bi-directional parallel (ECP), USB NetBIOS/NetBEUI only
Power supply	External AC adapter
RAM	2 MB
ROM	Flash EPROM, 1 MB or greater
Flash method	Safe flash
Compatible MIB	Some Canon MIBs, some printer MIBs, some TCP/IP MIBs, some host MIBs
Compatible host utilities	NetSpot, NetPilot
Compatible printers	Canon Advanced Printing Technology printers only
Software included	Installer, Print Monitor, NetPilot

For more information about connecting and using the external network adapter, see the documentation that came with your adapter.

Glossary

A

AC

Alternating Current. The type of electrical current typically available from household wall outlets.

Adapter

An optional device that allows you to connect your printer directly to a network. *See also* Peer-to-peer connection.

Alert

A message displayed in the Printer Status Window when a problem or condition caused the Canon Advanced Printing Technology to pause printing. You must follow the on-screen instructions before printing resumes.

Audio messages

Audio messages notify the user of the printer operations shown in the Status Window.

Automatic Image Refinement

A printer technology from Canon, with which the printer automatically senses and refines the jagged edges and ragged curves of characters and graphics.

B

Bi-directional communications

Allows information to pass back and forth between the Canon Advanced Printing Technology software and a local printer.

Bold

A characteristic of a printed character that indicates wider, darker representation. Also referred to as emphasized or double-strike printing.

Brightness

The relative proportion of light and dark areas. Decreasing brightness darkens the overall image; increasing brightness lightens it.

C

Canon Advanced Printing Technology (CAPT)

Software that extends the power of the Windows operating system to a printer to speed up and simplify printing. The Canon Advanced Printing Technology provides more printing control and bi-directional communication between the printer and a computer running a Windows application.

Centronics interface

An interface standard for parallel data transmission. This printer uses a Centronics-type parallel interface with bi-directional capability. *See also* Interface port and Parallel interface.

Client

A computer that is connected to the printer over a network. A client does not control the printer directly. It interacts with the printer through a server. *See also* Server.

Collate

To print multiple copies of a multi-page document in sequential page order.

Command

An instruction that tells the printer to perform a certain function. Commands are sent from the computer to the printer via the interface cable when the printer is ready.

Contrast

The degree of difference between the lightest and darkest areas of an image. Decreasing contrast lightens the dark areas and darkens the light areas; increasing it darkens the dark areas and lightens the light areas.

Control Panels

The set of Windows programs you can use to change system, hardware, software, and Windows settings.

D

Default setting

A setting that is automatically used if no other setting is specified.

Desktop

The entire Windows screen that represents your work area in Windows. Icons, windows, and the taskbar are displayed on the Windows desktop.

dpi

Dots per inch. A unit of measurement for indicating a printer's resolution. The LBP-810 prints at a resolution of 600 dpi.

Driver

A program that controls how the computer and an external device interact. The printer driver supplies Windows with information such as descriptions of the fonts and features of the installed printer. When you print with the Canon Advanced Printing Technology, you are using its printer driver.

E

ECP

Abbreviation for Extended Capabilities Port. A bi-directional communication mode that enables high-speed data transmission to printers and other devices.

F

Fixing assembly

The device used during the print process to fix the toner onto the paper (or other media) through applying heat and pressure. The assembly, located inside the printer, gets extremely hot (374˚F/190˚C) during operation.

Folder

A container in which documents, program files, and other folders are stored on your disks. Formerly referred to as a *directory*.

Font

A complete set of characters of the same size and style, for example, 12-point Courier bold.

Form

A custom paper size, with width and height defined by the user.

G

Grayscale image

A bitmap image that stores data for each dot as a shade of gray, rather than as black or white.

H

Halftone

The process of converting a grayscale image to black dots and white (unprinted) dots that simulate the gray shades in the original image.

I

Interface

The connection between two devices through which they communicate with each other. The LBP-810 printer features USB and parallel interface, which makes it compatible with IBM and similar personal computers.

Interface cable

The cable, with bi-directional capability, used to create the interface between a printer and a computer.

Interface port

The port through which the printer communicates with the computer. The LBP-810 have a USB port and a Centronics, 8-bit, parallel interface port, located on the back of the printer. *See also* Parallel or USB interface.

Italic

A font style distinguished by slanted characters (the upright strokes of the characters are at an angle to the vertical axis).

J

Jam

A situation created when paper becomes caught along the paper path. You must remove jammed paper before you can continue printing.

K

Kilobyte (KB)

A unit of measurement, representing the binary number 1024, used to describe printer or computer memory size in thousand-byte units.

L

Landscape

The printing of text and graphics along the length of the page.

Local printer

A printer that is directly connected to your computer, using a parallel cable.

M

Megabyte (MB)

A unit of measurement, representing one million bytes, used to describe printer or computer memory size.

My Computer

The Windows program that you can use to browse through your computer's filing system, and to open drives, folders, and files. You can also use My Computer to manage your files and your filing system, by moving, copying, renaming, and deleting items.

N

NetPilot

This utility is used to control network printers.

Network

A group of computers connected by cables or other means and using software that enables them to share equipment (such as printers) and exchange information.

Network Adapter

An optional device that allows you to connect your printer directly to a network. *See also* Peer-to-peer connection.

O

Orientation

The printing of text either along the width (portrait) or length (landscape) of the page.

Overlay

Refers to printing in which data that is common to all the pages, such as a logo, titles or table structure, is overlaid with the print data from the application.

P

Paper feed

The act of guiding a sheet of paper into the printer's paper path.

Paper jam

A situation created when paper becomes caught along the paper path. You must remove jammed paper before you can continue printing.

Paper path

The route that paper travels through the printer.

Parallel interface

An interface that transmits multiple bits simultaneously (usually in one-byte segments). Your printer has a built-in, Centronics-type parallel interface. *See also* Centronics interface.

Parallel interface cable

A bi-directional cable, usually less than six feet long, that transfers multiple bits of information to the printer simultaneously, speeding the transfer. Parallel interface cables are also referred to as Centronics interface cables.

PDF

Stands for Portable Document Format. A widely used format for transmitting and viewing documents on computers. PDF documents can be read or printed out with Adobe's Acrobat Reader program.

Peer-to-peer connection

A network connection between a computer and a printer (or other device) that does not go through a server. *See also* Server, Client.

Physical RAM

Random access memory (RAM) that is physically present in the computer in the form of memory chips, as opposed to virtual memory. *See also* Virtual Memory.

Point size

Character height is defined in points: one point is 1/72 of an inch.

Portrait

The printing of text along the width (short edge) of the page.

Print job

A document that a Windows application has processed and sent to the Spooler to be added to the print queue or directly to the printer.

Print Monitor

The network adapter print monitor is software that prints through the network adapter.

Print queue

A list of files that are either waiting to be printed or are currently printing. Once a file has been printed, it is removed from the print queue.

Printer driver

A program that controls how the computer and printer interact. The printer driver supplies Windows with information such as descriptions of fonts and features of the installed printer. When you print with the Canon Advanced Printing Technology, you are using its printer driver.

Printers folder

The container in which your printer information is stored.

Profile

A profile is a file that stores the printer's settings, so those settings can be recreated simply by selecting the profile from a menu.

Progress bar

In the Status Window or its icon, a horizontal bar that graphically indicates the percentage of the print job that has actually printed.

Properties dialog box

The dialog box that contains information about a particular device, such as your printer.

Proportional spacing

The spacing of characters according to the width of each character. This variable spacing between each character closes up awkward space and makes text easier to read.

Q

Queue

A list of files that are either waiting to be printed or are currently printing. Once a file has been printed, it is removed from the print queue.

R

Random Access Memory (RAM)

The working memory of the computer in which programs and data are temporarily stored while you use them. Resetting or shutting off the computer clears all information from RAM. Printing very complicated documents might require closing other running programs or adding more RAM to the computer. *See also* Physical RAM, Virtual memory.

Resolution

The density of dots for any given output device, expressed in terms of dots per inch (dpi). Low resolution causes font characters and graphics to have a jagged appearance, but prints faster than higher resolutions. Higher resolution provides smoother curves and angles as well as a better match to traditional typeface designs, but prints more slowly. This printer can produce output with 300 or 600 dpi resolution. Resolution values are represented by horizontal data and vertical data, for example, 600 x 600 dpi.

S

Scalable fonts

Scalable fonts allow characters to be printed in various sizes and rotation angles. This is different from bitmap fonts, which are printed in fixed sizes and angles.

Scaling

Enlarging or reducing the printed image.

Separator page

Optional pages printed at the beginning of each document to help separate one print job from another.

Server

A network computer that is directly attached to the printer. The server controls the printer and handles print jobs sent from the clients. *See also* Client.

Shielded

A type of cable that contains a metallic sheath over the conductor material to protect the data passing through the cable from electromagnetic interference. You need to use a double-shielded interface cable with this printer.

Sound file

A file containing audio information that can be played by a sound driver. The Canon Advanced Printing Technology includes a sound driver and sound files that play to indicate printing conditions.

Spooling

A process by which an application sends a document to the Spooler, rather than directly to the printer, thus freeing the computer and application for other tasks. Spooled documents are printed in the order they are received.

Start menu

The menu that presents commands that are a starting point for all work you do on your computer, such as starting a program, opening a document, finding a file, and getting help. You open the Start menu by clicking the Start button displayed on the Desktop.

Status options

Settings which determine when the Printer Status Window opens and whether sounds play with messages.

Status Window

A window that the Canon Advanced Printing Technology uses to display messages about the current print job, as well as to graphically show the print job's progress from computer to printer.

T

Title bar

The horizontal bar that contains the title of a window or dialog box. On many windows, the title bar contains the Control menu box and Maximize and Minimize buttons.

Toner

A black, resin-coated powder contained in the EP-22 cartridge. The printer applies the toner to the surface of the photosensitive drum inside the printer via an electrophotographic mechanism.

Toner saver

Because only alternate data bits are printed, toner consumption is reduced.

Tool bar

In the Status Window, the area in the tab window that includes buttons for pausing, resuming, and deleting the current print job.

Transfer roller

Presses the paper against the drum, to aid the transfer of toner to the paper.

Trouble Shooter

A program that helps you solve printing problems. The Trouble Shooter checks the Windows configuration settings, and if possible corrects any errors that it finds.

TrueType fonts

Scalable fonts used for both screen display and printing. TrueType fonts can be sized to any height, and print exactly as they appear on the screen, but with higher resolution.

U

Universal Serial Bus (USB) interface

These are new serial interface standards. This bus automatically recognizes connections (Plug and Play) to allow plugging and unplugging connectors with the power still turned on to the PC or peripheral equipment.

V

Virtual Memory

Space on the hard disk that Windows uses for temporary data storage as if it were actually random access memory (RAM). Windows does this by means of a swap file. This provides Windows with more usable memory, but reduces speed of access to it when the swap file must be used. *See also* Physical RAM.

W

WebNetSpot

This utility is used to control network printers.

Weight

Refers to the thickness of a font: light, medium, or bold. Also refers to the thickness of paper.

Windows Explorer

The Windows program you can use to browse through, open, and manage the disk drives, folders, and files on your computer in a network system. You can also use Windows Explorer to view and open shared folders on other computers on the network. You can use Windows Explorer to manage your files by moving, copying, renaming, and deleting files.

WYSIWYG

Pronounced wizzy-wig, an acronym for “what you see is what you get.” For example, when you format a paragraph, the line breaks that appear on the printed page are exactly the same as they are on the screen.

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